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USNS BARTLETT CRUISE

TO THE GREENLAND SEA IN AUGUST 1990

DATA REPORT

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CRUISE OF USNS BARTLETT

TO THE GREENLAND SEA IN AUGUST 1990

DATA REPORT

by

Robert G. Paquette, Robert H. Bourke and Marla D. Stone

ABSTRACT

As a component of the Greenland Sea Project, a hydrographic cruise was conducted on board the USNS BARTLETT during August 1990 in the southern Greenland Sea to continue the study of the southern half of the Greenland Gyre (GG) and the Jan Mayen Current (JMC) that was begun with the BARTLETT cruise of September 1989, previously reported by Bourke et al. (1989, 1990, 1992) and by Blythe (1990). A total of 44 high-quality CTD stations were occupied to depths of 1000 m. Contrasting with 1989, 21 instead of five of these stations extended to near bottom at depths of 2200 to 3500 m.



## I. INTRODUCTION

In support of the multinational Greenland Sea Project (GSP) a hydrographic cruise was conducted on board USNS BARTLETT (T-AGOR-13) during the month of August 1990 by personnel from the Naval Postgraduate School (NPS) and the University of Paris. The cruise statistics are presented in Table 1. This was the second NPS cruise in a planned series of cruises to investigate the circulation and water mass characteristics of the Jan Mayen Current (JMC). The GSP is a five year effort to monitor the water mass, current and dynamic structure of the Greenland Sea on a nearly continuous basis. Such monitoring is necessary as the Greenland Sea acts as the gateway between the cold, fresh polar waters of the Arctic Ocean and the warm, salty waters of the Atlantic Ocean. Climatological changes in one basin are readily transmitted to the other through the Greenland Sea.

The Greenland Sea is dominated by a broad cyclonic circulation which is shown schematically in Figure 1. The features of the various flows shown in this figure are derived from the circulation pattern described by Koltermann and Lüthje (1989, their p. 14), from information from a drifting submerged float (J. C. Gascard, 1990, personal communication) and from the BARTLETT 1989 dynamic topography. In the upper layers Polar Water (PW) exiting the Arctic basin flows southward along the east coast of Greenland. Beneath it, a little to the east and extending to depths of 600 m or more, the Return Atlantic

Table 1. BARTLETT 1990 Cruise Statistics

Vessel: USNS BARTLETT (T-AGOR 13)  
Depart: Tromso, Norway, 2030, 1 August 1990  
Return: Trondheim, Norway, 1200, 24 August 1990  
Stations: 45 total.  
Deep Casts: 21, maximum depth 3500 m.  
Instrumentation: Neil Brown MK III CTD and 12-place rosette  
sampler.

Scientific Party:

Prof. Robert H. Bourke, Chief Scientist, NPS

Prof. Jean-Claude Gascard, Univ. of Paris

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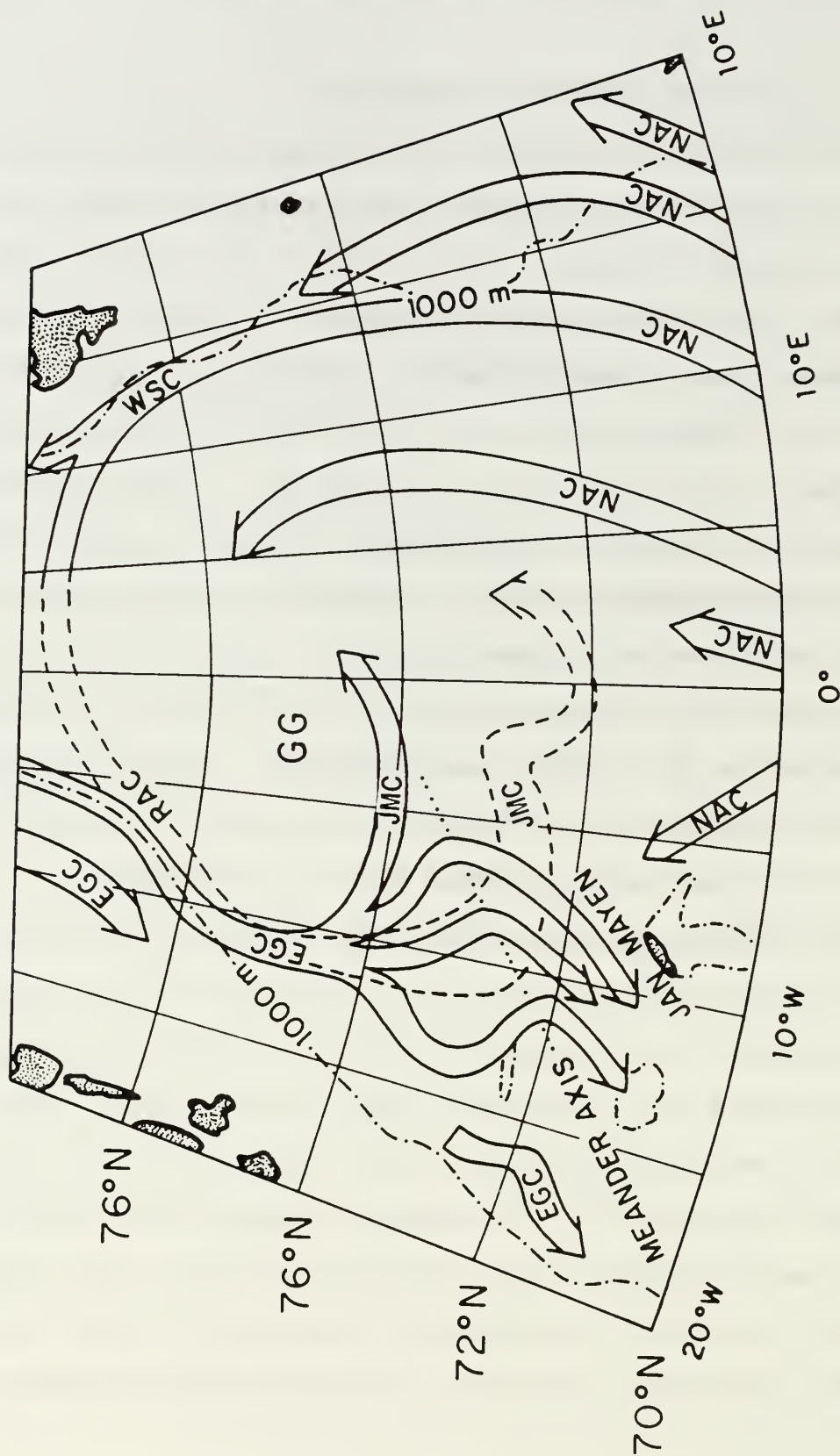


Figure 1. Greenland-Norwegian Sea surface and intermediate water mass circulation diagram. Much of this diagram is derived from Koltermann and Lühje (1989) supplemented, particularly in the region of the Jan Mayen Current (JMC), from the dynamic topographies of BARTLETT 1989 (Blythe, 1990). The eastward movement of intermediate water, shown dashed, is inferred from the drift of an acoustically tracked buoy at 500 m depth courtesy of J-C. Gascard. Abbreviations are as follows: East Greenland Current, EGC; Return Atlantic Current, RAC; Jan Mayen Current, JMC; various filaments of the Norwegian Atlantic Current, NAC; West Spitsbergen Current, WSC; Greenland Gyre, GG.



Current, an Atlantic Intermediate Water (AIW) with origin in the West Spitsbergen Current, flows southward similarly. Much of the strong northward flow on the east side of the GG is supplied by the Norwegian Atlantic Current (NAC).

The BARTLETT 1989 dynamic heights observed in Figure 2 (Blythe, 1990; Bourke et al., 1992) show that the sometimes postulated closure of the Greenland Gyre (GG) on the south in the zone between  $72^{\circ}\text{N}$  and  $74^{\circ}\text{N}$  may occur only in part. The more easterly filaments of the EGC do indeed close the gyre north of about  $74^{\circ}\text{N}$ . The more westerly filaments meander toward the east and then return to the EGC south of  $71^{\circ}\text{N}$ . The maximum deviation of the meander covers a range of over 130 km south to north. The meander occurs farthest to the south in filaments of the EGC nearest the Greenland coast. At least two other renditions of the dynamic topography of the surface (Gladfelter, 1964; Dietrich, 1968) agree with BARTLETT 1989 in showing these behaviors. It appears from the literature that most authors have considered the JMC to be collectively comprised of both the eastward flowing portion of the meander as well as the more northerly eastward throughput described above.



Figure 2. Map of geopotential anomalies of the sea surface referred to 1000 dbar from BARTLETT 1989 (Blythe, 1990; Bourke et al., 1992). The inferred baroclinic circulation indicates that only about half of the water turning east in the region of 72°N - 74°N actually completes the west-to-east traverse to close the Greenland Gyre on the south. The remaining half is involved in a meander of the East Greenland Current (EGC) that returns again to the EGC.

## II. OBJECTIVES

The purpose of the cruise was to measure and quantify specific features of this current such as its speed, volume flow rate, areal extent, water properties, and fresh water contribution. In particular we wished to verify the meader-like nature of the upper waters of the JMC, i. e., its spatial and depth extent and volume relative to that portion of the current which continues eastward to the Mohn's Ridge. In addition, because the station grid was similar to that of 1989, we are afforded with the opportunity of making a comparison after one year and to extend this study of interannual difference as far back into historical data as is feasible. The much more widespread collection of deep-water data in 1990 will permit the study of the deep waters of the area and their mixing and propagation. In particular, the postulates of Swift and Koltermann (1988), Rudels (1986) and Soelen (1986) concerning the formation of Norwegian Sea Deep Water (NSDW) will be examined. They postulate that NSDW is formed in the Greenland Sea from Arctic Ocean Deep Water (AODW) and Greenland Sea Deep Water (GSDW) and flows through the Jan Mayen Fracture Zone north and east of Jan Mayen into the Lofoten Basin of the Norwegian Sea.

In addition to the oceanic measurements themselves, the cruise was tasked to recover four autonomous listening arrays installed in 1989 and designed to track the motion of SOFAR floats. The drift tracks of these floats will greatly assist the

corroboration of the mid-depth water motion as derived from numerical models and water property (core) analyses.

### III. CRUISE PLAN

In order to achieve the objectives outlined above a series of north-south trending hydrographic lines were laid out from  $72^{\circ}\text{N}$  to  $76^{\circ}\text{N}$  which were expected to pass through the anticipated course of the Jan Mayen Current. The positions of these hydrographic lines were based on a CTD station census plan produced by the GSP Steering Committee to aid GSP participants in setting up their cruise plans (Figure 3). The desired goal of the census plan is to achieve as many repeat samplings of the water column as possible during the five years of the project in order to establish seasonal and interannual fluctuation statistics. Also shown on this chart is the location of an inter-calibration site ( $71^{\circ}\text{N}$ ,  $4^{\circ}\text{E}$ ) near the center of the Lofoten Basin whose purpose is to determine the uniformity of deep water measurements among GSP investigators.

The positions of the actual CTD stations and the cruise track are shown in Figure 4 and are listed with the condensed data tabulations later in this report. The usual depth of sampling was to 1000 m (meters used interchangeably with decibars of pressure). The deep stations are marked with solid circles in Figure 4. At these stations, a second lowering was made,



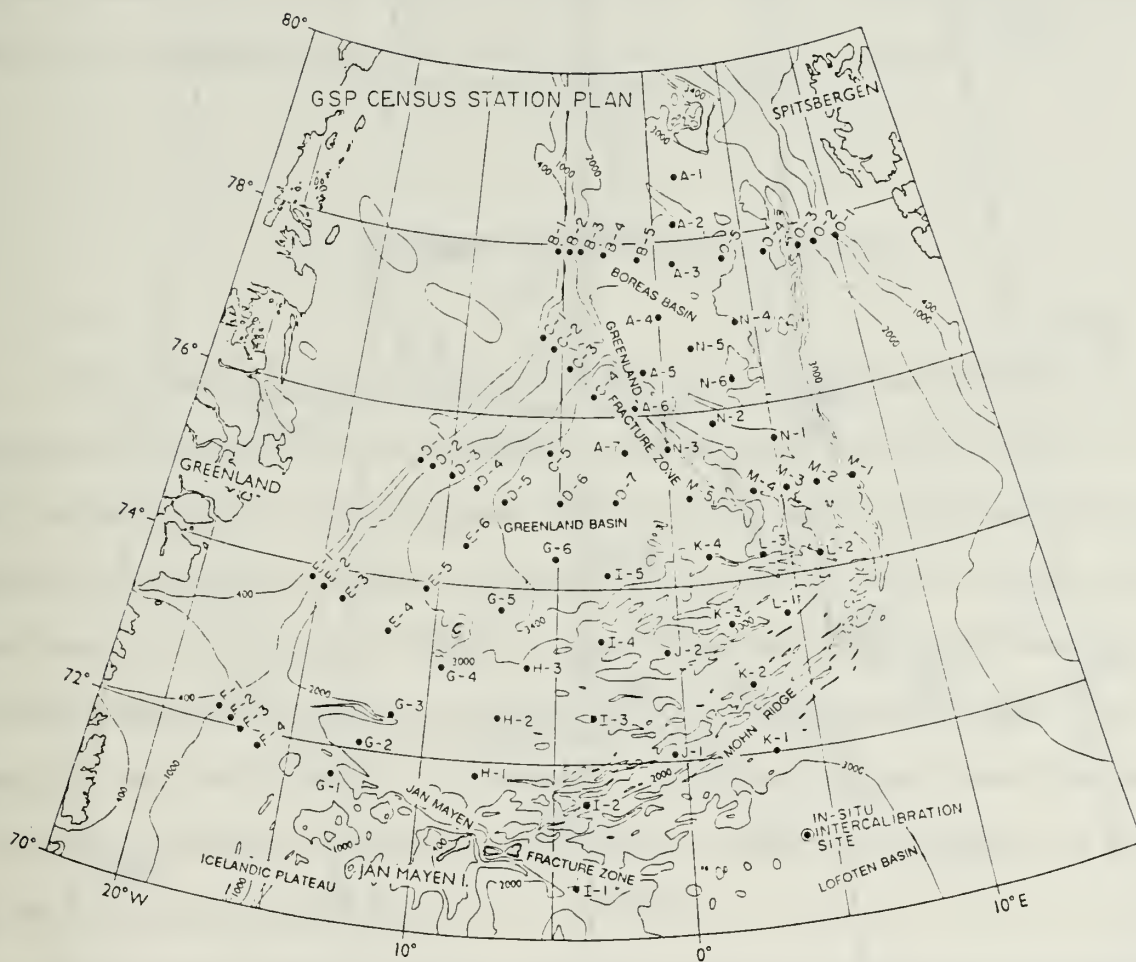


Figure 3. The Greenland Sea Project census station plan. BARTLETT operated generally west of the prime meridian and between 72°N and 76°N, but included the in-situ intercalibration site as Station 00.



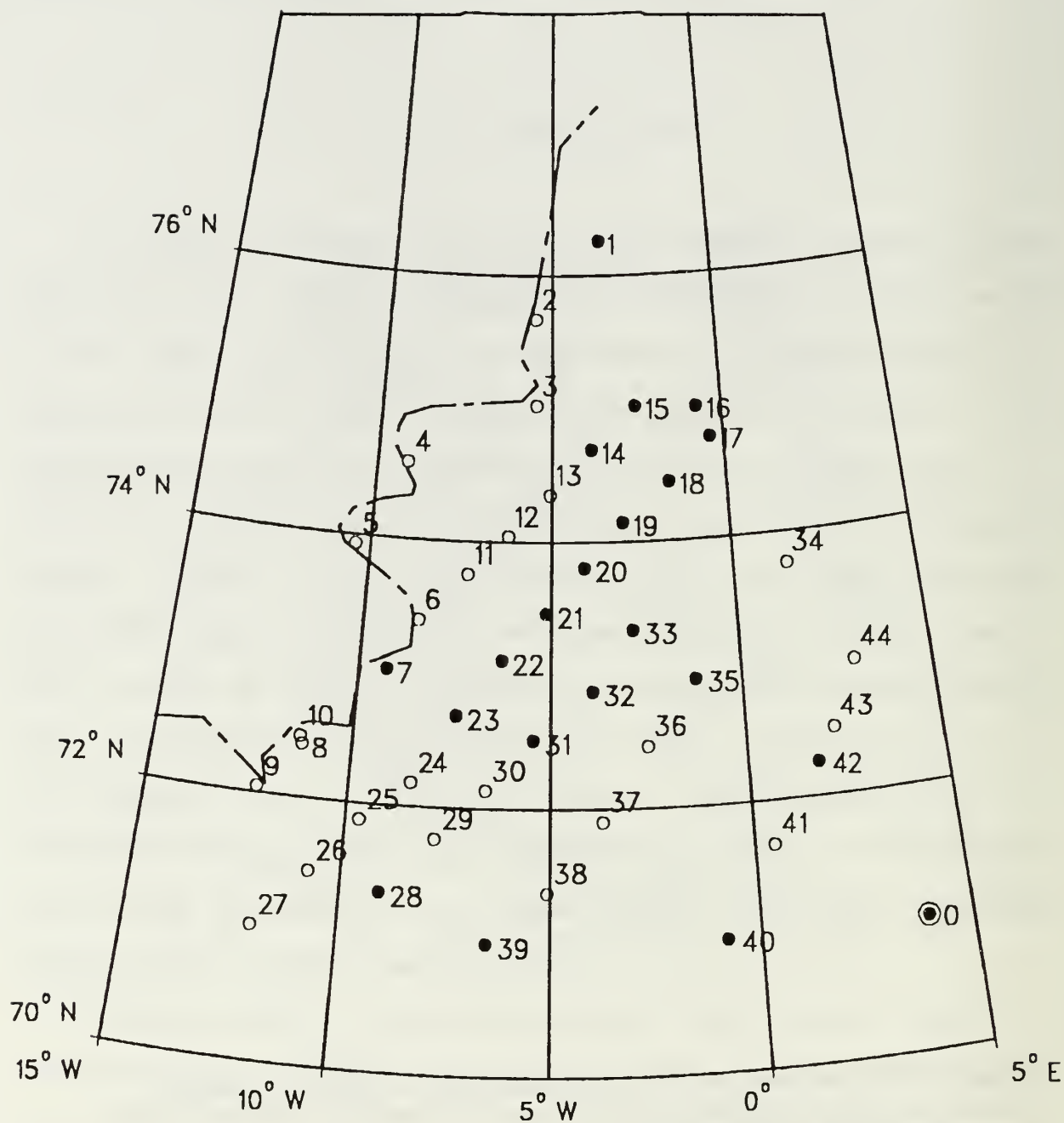


Figure 4. USNS BARTLETT station positions for the cruise of August 1990. Stations having a second cast extending deeper than 1000 m are shown as solid circles. The GSP intercalibration site at Station 0 is shown by a circle with a dark center.

recording from 1000 m to the bottom of the lowering, which was commonly 3000 m, once to 3500 m and near bottom in shallower water.

Water samples, about 12 per lowering, and uniformly distributed over the depth span, were collected for salinity measurements on nearly all lowerings. Thus, at deep stations, about 24 samples were taken.

#### IV. MEASUREMENTS AND ACCURACY

The CTD data acquisition program is designed to permit 8616 complete conductivity-temperature-pressure records to be collected, evenly spaced over the depth range selected prior to lowering. Hence, for our nominal 1000-meter depth casts, an average of 8.6 observations were collected per meter whereas, on a deep cast from 1000 m to 2200-3500 m, between 7.2 and 3.4 records per meter were collected. The instrument was lowered at a nearly constant average rate of  $60 \text{ m min}^{-1}$  modulated, of course, by the roll of the ship.

By block averaging the initial editing program compressed data from the shallow cast to depth spacings of 1.0 m centered closely on the integral depth. In the case of the deep cast, the depth spacing was 2.0 m. Thus, over-all averaging is over 8.6 observations on the shallow cast and over 14.4 to 6.9 observations on the deep cast, the fewer observations being

associated with longer casts.

The corrections applied by the editing program were, in the case of temperature and pressure, determined from pre-cruise and post-cruise calibrations made in our laboratory. These before and after calibrations were acceptably similar and their means were applied to all the data. The conductivities were initially calibrated in this way, later to be refined by comparison with salinity samples taken with a rosette sampler. A complication in this process arose because of a small change in calibration when the CTD "fish" hit bottom on Station 23D, the "D" indicating the deep segment of the station. No spare cell was available so we were forced to treat the data in two parts, the "pre-crash" data supported by the pre-cruise calibration and the bottle salinities prior to the crash and the "post-crash" data, supported again by bottles and the post-cruise calibration. There was no noticeable effect of the crash on instrument stability.

Further calibration of salinity/conductivity was done by means of the rosette sample bottles, which were tripped on the up traverse of the CTD while hauling was stopped, and related to a CTD depth, salinity and temperature. For this purpose, the computer was programmed to compute a 15-second average of the data from the CTD and a standard deviation. Salinity samples from the rosette samplers were drawn into heavy-walled plastic bottles equipped with polyethylene cone closures as well as tight sealing screw caps. The salinities were measured in the laboratory after returning from sea, using an AGE Instruments

(Ottawa) salinometer referred to standard water batch P112. Although both shallow and deep casts were instrumented with the rosette sampler, only the deep casts were used for calibration because of the more stable water and the smaller sensitivity to depth errors and internal wave activity.

The salinity calibration data set was relatively poor in quality, mostly because the borrowed rosette sampler used was in poor condition, with the result that the comparison of salinometer salinities (derived from up-traverse samples) with the down-going CTD salinities at the same nominal depths, computed station by station, had a relatively high standard deviation, an average of 0.0058. This was due to the presence of 31% of outliers more than one standard deviation from the mean. After removal of the outliers, the standard deviation for the entire data set (which is larger than the average of the station-by-station standard deviation after outlier removal) was 0.0042 psu. The mean error correction was applied as a constant term to the calibration. This process was carried through two iterations before we were confident of the result.

We then discovered that the CTD salinities at Station 00D, the inter-calibration site, were 0.007 psu higher in depths greater than 2000 m, than the excellent salinities derived from bottles at MOSBY 1989, Station 32 (Foldvik, 1990). Without at first understanding the cause of this discrepancy but having faith in the exceedingly slow rate of change of the water properties in the deep basins, we reduced the salinity by 0.007



psu and did the statistics still again. After outlier removal the standard deviation over 123 comparisons was again 0.0042 and the standard error of the mean was 0.00036 psu.

We later discovered the cause of the 0.007 psu discrepancy. The pressure sensor had a -9.2 dbar hysteresis error on the down traverse and some fraction of +9.2 dbar error when stopped briefly for bottle tripping on the up traverse. A pressure error of -9.2 decibars causes an error in the calculated salinity of about +0.0046 psu. The salinity computed using the apparent depth on the up traverse is also in error but with the opposite sign. The error while stopped for sampling would be less than -0.0046 psu because the sensor diaphragm would have time to partially relax from its offset. The net result is to have the CTD down-going salinities be high compared to the laboratory salinometer by more than 0.0046, believably the 0.007 psu that we found. Thus, in subtracting the 0.007 psu we have made an approximate correction for the effect of pressure sensor error on salinity but have not corrected the pressures themselves, which will be 9.2 dbar too small, except very near the surface.

## V. TABLES AND FIGURES

Tabular and graphical presentations of the data are presented in Appendices A and B, respectively.



## VI. ACKNOWLEDGEMENTS

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## APPENDIX A: TABULAR DATA

The tabular data are sub-sampled from the edited data at pressure intervals increasing with depth, similar to but more close-spaced than the classical standard depths. In the cases of the 21 deep lowerings the tabular data are recorded at 50 dbar intervals. As discussed in Section IV, the pressures are correct near the surface but, beyond some presently unknown pressure, there is a dynamic depth error of -9.2 dbar. The salinities are corrected for this error and only the depths are incorrect. Abbreviations and units should be mostly self evident. We have chosen units for electrical conductivity and for the specific volume anomaly (SVA) so that the tabulated data are numerically the same as in the units conventionally used in oceanography prior to the advent of SI units.

STA. 999N 70-58.9N 016-33.5E 08/02/90 11.0 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 005/220, AIR TEMP. 13.9° C, DEW PT 12.2°C, DEPTH 1233 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
0.0	13.717	34.440	1501.8	25.813	41.056	13.717	25.814	217.374	0.000
1.0	13.721	34.436	1501.9	25.810	41.056	13.721	25.810	217.752	0.002
3.0	13.706	34.438	1501.8	25.814	41.045	13.705	25.815	217.357	0.007
5.1	13.588	34.448	1501.5	25.846	40.943	13.587	25.847	214.387	0.011
7.0	13.405	34.432	1500.9	25.872	40.752	13.404	25.872	212.013	0.015
9.2	12.939	34.431	1499.4	25.965	40.306	12.938	25.965	203.236	0.020
11.0	12.460	34.499	1497.9	26.112	39.921	12.458	26.113	189.290	0.023
13.0	12.175	34.577	1497.1	26.228	39.731	12.173	26.228	178.347	0.027
15.1	11.849	34.615	1496.0	26.319	39.460	11.847	26.320	169.730	0.031
17.0	10.599	34.795	1491.9	26.688	38.456	10.597	26.688	134.751	0.033
19.2	10.436	34.822	1491.4	26.738	38.330	10.434	26.739	130.039	0.036
21.1	10.222	34.835	1490.7	26.785	38.140	10.219	26.786	125.603	0.039
23.0	9.376	34.894	1487.8	26.974	37.402	9.374	26.975	107.689	0.041
25.0	9.085	34.901	1486.7	27.027	37.137	9.082	27.028	102.665	0.043
27.1	8.834	34.929	1485.9	27.089	36.929	8.831	27.090	96.823	0.045
29.1	8.689	34.938	1485.4	27.119	36.803	8.686	27.120	93.989	0.047
31.0	8.368	34.959	1484.3	27.185	36.524	8.365	27.186	87.734	0.049
35.0	8.023	34.957	1483.0	27.236	36.203	8.020	27.237	82.963	0.052
40.0	7.661	35.029	1481.8	27.347	35.935	7.657	27.348	72.589	0.056
45.0	7.709	35.077	1482.2	27.377	36.026	7.704	27.378	69.771	0.060
50.0	7.530	35.077	1481.6	27.404	35.862	7.525	27.405	67.314	0.063
60.0	7.519	35.117	1481.7	27.437	35.893	7.513	27.438	64.375	0.070
70.0	7.595	35.166	1482.2	27.465	36.014	7.588	27.466	61.922	0.076
80.1	7.662	35.198	1482.7	27.480	36.110	7.654	27.481	60.678	0.082
90.0	7.605	35.194	1482.6	27.485	36.058	7.596	27.487	60.333	0.088
100.0	7.568	35.207	1482.7	27.501	36.040	7.558	27.502	59.049	0.094
110.0	7.583	35.215	1482.9	27.505	36.066	7.572	27.507	58.813	0.100
120.0	7.573	35.223	1483.1	27.513	36.069	7.562	27.515	58.257	0.106
130.0	7.500	35.222	1482.9	27.522	36.004	7.488	27.524	57.519	0.112
140.0	7.459	35.222	1482.9	27.528	35.970	7.445	27.531	57.077	0.117
150.0	7.438	35.228	1483.0	27.536	35.961	7.424	27.538	56.556	0.123
160.0	7.375	35.221	1483.0	27.539	35.900	7.360	27.542	56.372	0.129
170.1	7.352	35.219	1483.0	27.541	35.882	7.335	27.544	56.338	0.134
180.0	7.292	35.215	1483.0	27.546	35.827	7.275	27.549	56.005	0.140
190.0	7.241	35.208	1482.9	27.549	35.778	7.222	27.552	55.927	0.146
200.1	7.041	35.184	1482.3	27.558	35.575	7.022	27.561	55.123	0.151
220.0	6.964	35.182	1482.3	27.567	35.511	6.943	27.571	54.543	0.162
240.0	6.809	35.174	1482.0	27.582	35.369	6.787	27.586	53.382	0.173
260.1	6.657	35.164	1481.8	27.595	35.229	6.633	27.599	52.404	0.183
280.0	6.572	35.167	1481.7	27.609	35.162	6.546	27.613	51.312	0.194
300.0	6.506	35.162	1481.8	27.614	35.106	6.479	27.618	51.104	0.204
320.0	6.388	35.154	1481.7	27.623	34.999	6.360	27.627	50.510	0.214
340.0	6.252	35.144	1481.5	27.633	34.873	6.221	27.638	49.729	0.224
360.0	6.121	35.137	1481.3	27.645	34.756	6.090	27.649	48.840	0.234
380.0	5.994	35.130	1481.1	27.656	34.643	5.961	27.660	48.000	0.244
400.0	5.888	35.123	1481.0	27.664	34.548	5.853	27.669	47.389	0.253
450.1	5.496	35.102	1480.2	27.696	34.194	5.458	27.702	44.642	0.276
500.0	5.056	35.080	1479.2	27.732	33.797	5.015	27.737	41.446	0.298
550.0	4.530	35.063	1477.9	27.779	33.329	4.487	27.784	36.985	0.317
600.1	3.786	35.037	1475.6	27.838	32.661	3.743	27.843	30.941	0.334
650.0	3.011	35.010	1473.1	27.892	31.969	2.968	27.896	25.118	0.348
700.0	2.100	34.973	1469.9	27.942	31.157	2.059	27.946	19.198	0.360
750.1	1.286	34.939	1467.1	27.977	30.440	1.246	27.980	14.636	0.368
800.0	0.767	34.924	1465.6	27.999	30.000	0.728	28.002	11.602	0.375
850.0	0.315	34.913	1464.3	28.018	29.623	0.276	28.021	8.893	0.380
900.1	-0.085	34.907	1463.3	28.036	29.297	-0.124	28.038	6.319	0.384
950.0	-0.212	34.907	1463.6	28.042	29.210	-0.252	28.044	5.423	0.387
1000.0	-0.389	34.908	1463.6	28.051	29.081	-0.431	28.054	3.978	0.389



STA. 000S 71- 0.4N 003-57.1E 08/03/90 19.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 012/355, AIR TEMP. 11.1° C, DEW PT 8.9°C, DEPTH 3129 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	11.030	35.119	1493.6	26.863	39.182	11.030	26.864	117.737	0.001
3.0	11.028	35.118	1493.6	26.863	39.180	11.028	26.863	117.822	0.004
5.1	11.023	35.119	1493.6	26.864	39.177	11.022	26.865	117.724	0.006
7.1	11.024	35.120	1493.7	26.865	39.179	11.023	26.865	117.734	0.008
9.1	11.023	35.119	1493.7	26.864	39.178	11.022	26.865	117.800	0.011
11.0	11.023	35.118	1493.7	26.863	39.178	11.022	26.864	117.990	0.013
13.3	10.999	35.119	1493.7	26.868	39.157	10.997	26.869	117.557	0.016
15.1	10.967	35.119	1493.6	26.875	39.127	10.965	26.875	116.970	0.018
17.0	10.931	35.120	1493.5	26.882	39.095	10.929	26.882	116.357	0.020
19.0	10.861	35.118	1493.3	26.893	39.026	10.858	26.893	115.368	0.022
21.1	10.749	35.116	1492.9	26.911	38.919	10.747	26.912	113.632	0.025
23.0	10.579	35.117	1492.4	26.942	38.758	10.576	26.943	110.750	0.027
25.0	10.358	35.100	1491.6	26.968	38.532	10.355	26.969	108.306	0.029
27.0	9.365	35.082	1488.0	27.123	37.575	9.362	27.124	93.622	0.031
29.0	8.620	35.113	1485.4	27.267	36.904	8.617	27.268	79.960	0.033
31.1	8.349	35.137	1484.4	27.328	36.673	8.346	27.329	74.198	0.034
35.0	8.060	35.120	1483.4	27.359	36.389	8.057	27.360	71.377	0.037
40.0	7.464	35.129	1481.2	27.454	35.844	7.460	27.455	62.405	0.041
45.1	7.045	35.140	1479.7	27.523	35.468	7.041	27.524	55.926	0.044
50.0	6.792	35.153	1478.8	27.568	35.248	6.788	27.569	51.736	0.046
60.0	6.554	35.158	1478.1	27.605	35.037	6.549	27.606	48.363	0.051
70.0	6.366	35.154	1477.5	27.627	34.865	6.360	27.628	46.426	0.056
80.0	6.245	35.150	1477.2	27.639	34.755	6.238	27.641	45.332	0.061
90.0	6.151	35.147	1477.0	27.649	34.669	6.143	27.650	44.564	0.065
100.0	6.076	35.143	1476.8	27.656	34.602	6.067	27.658	44.032	0.070
110.1	5.980	35.138	1476.6	27.664	34.515	5.971	27.666	43.377	0.074
120.0	5.930	35.134	1476.6	27.667	34.469	5.919	27.669	43.192	0.078
130.0	5.836	35.131	1476.3	27.677	34.386	5.825	27.679	42.381	0.082
140.2	5.771	35.130	1476.2	27.685	34.329	5.759	27.686	41.819	0.087
150.0	5.727	35.127	1476.2	27.687	34.290	5.714	27.689	41.665	0.091
160.0	5.636	35.123	1476.0	27.695	34.209	5.623	27.697	41.017	0.095
170.0	5.578	35.121	1476.0	27.701	34.158	5.564	27.703	40.593	0.099
180.0	5.527	35.119	1475.9	27.706	34.114	5.512	27.708	40.235	0.103
190.0	5.481	35.119	1475.9	27.712	34.078	5.466	27.714	39.830	0.107
200.0	5.377	35.114	1475.6	27.721	33.984	5.361	27.723	39.050	0.111
220.1	5.238	35.109	1475.4	27.733	33.861	5.220	27.736	38.068	0.119
240.0	5.077	35.104	1475.1	27.749	33.720	5.058	27.751	36.750	0.126
260.0	4.902	35.091	1474.7	27.759	33.559	4.882	27.761	35.963	0.134
280.0	4.750	35.087	1474.4	27.773	33.426	4.728	27.776	34.737	0.141
300.0	4.690	35.086	1474.4	27.779	33.380	4.667	27.782	34.385	0.147
320.0	4.610	35.084	1474.4	27.787	33.316	4.586	27.790	33.810	0.154
340.0	4.545	35.084	1474.5	27.794	33.266	4.519	27.797	33.318	0.161
360.0	4.489	35.082	1474.6	27.799	33.223	4.461	27.802	33.022	0.168
380.0	4.432	35.082	1474.7	27.804	33.180	4.403	27.808	32.653	0.174
400.0	4.371	35.080	1474.8	27.810	33.132	4.341	27.813	32.321	0.181
450.0	4.234	35.076	1475.0	27.821	33.028	4.201	27.825	31.598	0.197
500.0	4.091	35.074	1475.2	27.835	32.920	4.054	27.839	30.669	0.212
550.0	3.876	35.065	1475.2	27.851	32.742	3.836	27.855	29.394	0.227
600.0	3.729	35.062	1475.4	27.863	32.630	3.686	27.868	28.477	0.242
650.0	3.574	35.055	1475.5	27.873	32.508	3.528	27.878	27.760	0.256
700.0	3.310	35.043	1475.2	27.890	32.285	3.262	27.895	26.159	0.269
750.0	2.935	35.021	1474.4	27.907	31.955	2.886	27.913	24.241	0.282
800.5	2.297	34.980	1472.4	27.931	31.380	2.248	27.935	21.161	0.294
850.0	1.668	34.952	1470.5	27.959	30.827	1.619	27.963	17.451	0.303
900.0	1.086	34.930	1468.7	27.983	30.325	1.039	27.987	14.017	0.311
950.0	0.553	34.912	1467.1	28.003	29.871	0.507	28.006	11.003	0.317
1000.0	0.258	34.905	1466.6	28.015	29.634	0.212	28.018	9.158	0.322



STA. 000D 71- 0.5N 003-58.0E 08/03/90 20.1 HRS GMT, 992 RECORDS  
WIND KNOTS/DIR 010/000, AIR TEMP. 11.1° C, DEW PT 8.9°C, DEPTH 3129 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1021.0	0.168	34.908	1466.5	28.022	29.567	0.120	28.025	8.235	0.000
1050.1	0.013	34.904	1466.3	28.028	29.444	-0.035	28.031	7.271	0.002
1100.0	-0.132	34.903	1466.4	28.034	29.341	-0.181	28.037	6.232	0.006
1150.1	-0.267	34.903	1466.6	28.041	29.246	-0.318	28.044	5.120	0.009
1200.1	-0.358	34.904	1467.0	28.046	29.191	-0.410	28.049	4.323	0.011
1250.0	-0.422	34.904	1467.6	28.050	29.158	-0.476	28.053	3.767	0.013
1300.0	-0.480	34.904	1468.1	28.053	29.129	-0.537	28.056	3.193	0.015
1350.1	-0.538	34.906	1468.7	28.057	29.103	-0.596	28.060	2.538	0.016
1400.1	-0.583	34.906	1469.3	28.059	29.086	-0.644	28.063	2.063	0.017
1450.0	-0.622	34.907	1470.0	28.061	29.074	-0.685	28.064	1.664	0.018
1500.1	-0.659	34.908	1470.6	28.064	29.065	-0.724	28.067	1.167	0.019
1550.1	-0.687	34.907	1471.3	28.065	29.061	-0.755	28.068	0.895	0.019
1600.1	-0.718	34.908	1472.0	28.067	29.057	-0.789	28.071	0.449	0.020
1650.1	-0.742	34.908	1472.8	28.068	29.057	-0.815	28.071	0.191	0.020
1700.1	-0.761	34.908	1473.5	28.069	29.062	-0.837	28.073	-0.106	0.020
1750.1	-0.781	34.908	1474.3	28.070	29.065	-0.860	28.074	-0.390	0.020
1800.0	-0.796	34.909	1475.0	28.071	29.074	-0.877	28.074	-0.629	0.019
1850.1	-0.812	34.909	1475.8	28.072	29.081	-0.896	28.076	-0.906	0.019
1900.0	-0.825	34.909	1476.6	28.072	29.090	-0.912	28.076	-1.119	0.019
1950.1	-0.838	34.908	1477.4	28.072	29.099	-0.928	28.076	-1.287	0.018
2000.1	-0.847	34.908	1478.2	28.072	29.111	-0.941	28.077	-1.494	0.017
2050.1	-0.859	34.908	1479.0	28.073	29.122	-0.955	28.077	-1.716	0.016
2100.0	-0.867	34.909	1479.8	28.074	29.135	-0.967	28.078	-1.941	0.015
2150.1	-0.874	34.908	1480.6	28.073	29.149	-0.976	28.078	-2.048	0.014
2200.1	-0.880	34.908	1481.4	28.074	29.164	-0.986	28.078	-2.242	0.013
2250.1	-0.884	34.907	1482.2	28.073	29.180	-0.993	28.078	-2.347	0.012
2300.1	-0.888	34.908	1483.0	28.074	29.197	-1.001	28.079	-2.538	0.011
2350.0	-0.892	34.908	1483.9	28.074	29.213	-1.008	28.079	-2.683	0.010
2400.1	-0.894	34.908	1484.7	28.074	29.231	-1.014	28.080	-2.845	0.008
2450.1	-0.896	34.908	1485.6	28.074	29.249	-1.019	28.080	-2.944	0.007
2500.1	-0.898	34.908	1486.4	28.074	29.267	-1.025	28.080	-3.101	0.005
2550.1	-0.897	34.908	1487.3	28.074	29.287	-1.027	28.080	-3.193	0.004
2600.1	-0.896	34.908	1488.1	28.074	29.307	-1.030	28.080	-3.289	0.002
2650.1	-0.895	34.908	1489.0	28.074	29.328	-1.033	28.080	-3.394	0.000
2700.0	-0.894	34.908	1489.8	28.074	29.348	-1.035	28.080	-3.480	-0.001
2750.0	-0.892	34.908	1490.7	28.074	29.369	-1.037	28.080	-3.547	-0.003
2800.0	-0.889	34.908	1491.6	28.074	29.390	-1.038	28.080	-3.645	-0.005
2850.0	-0.886	34.908	1492.4	28.074	29.412	-1.039	28.080	-3.729	-0.007
2900.1	-0.883	34.907	1493.3	28.073	29.433	-1.040	28.080	-3.756	-0.009
2950.0	-0.879	34.908	1494.2	28.074	29.456	-1.040	28.081	-3.891	-0.010
3000.0	-0.875	34.909	1495.1	28.074	29.478	-1.040	28.081	-3.975	-0.012

STA. 001S 76-15.7N 003-32.8W 08/06/90 5.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 018/015, AIR TEMP. 0.0° C, DEW PT 99.9°C, DEPTH 3000 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	4.675	33.220	1467.1	26.300	31.631	4.675	26.300	171.197	0.002
3.3	4.676	33.221	1467.1	26.301	31.634	4.676	26.301	171.130	0.006
5.0	4.677	33.189	1467.1	26.275	31.608	4.677	26.275	173.579	0.009
7.0	4.677	33.175	1467.1	26.264	31.597	4.676	26.264	174.638	0.012
9.1	4.765	34.278	1469.0	27.129	32.623	4.764	27.130	92.598	0.015
11.0	4.796	34.474	1469.4	27.281	32.819	4.795	27.282	78.219	0.016
13.1	4.630	34.574	1468.8	27.379	32.758	4.629	27.379	68.962	0.018
15.0	3.797	34.606	1465.5	27.493	32.044	3.796	27.493	58.160	0.019
17.1	3.174	34.653	1462.9	27.592	31.534	3.173	27.592	48.813	0.020
19.1	2.655	34.718	1460.8	27.691	31.131	2.654	27.691	39.401	0.021
21.0	2.085	34.733	1458.4	27.751	30.644	2.084	27.751	33.729	0.022
23.0	1.843	34.756	1457.4	27.788	30.452	1.842	27.789	30.163	0.023
25.0	1.719	34.762	1456.9	27.803	30.349	1.718	27.803	28.805	0.023
27.0	1.506	34.767	1456.0	27.823	30.169	1.505	27.823	26.912	0.024
29.0	1.302	34.777	1455.1	27.845	30.000	1.301	27.845	24.791	0.024
31.0	1.244	34.780	1454.9	27.851	29.953	1.243	27.852	24.184	0.025
35.0	0.936	34.802	1453.6	27.890	29.706	0.935	27.891	20.495	0.026
40.0	1.235	34.858	1455.1	27.915	30.010	1.233	27.915	18.204	0.027
45.0	1.066	34.880	1454.5	27.944	29.883	1.064	27.945	15.407	0.027
50.0	1.209	34.868	1455.2	27.925	30.000	1.206	27.925	17.275	0.028
60.0	1.368	34.907	1456.1	27.945	30.174	1.365	27.945	15.444	0.030
70.0	1.393	34.916	1456.4	27.950	30.206	1.389	27.951	14.999	0.031
80.0	1.474	34.929	1456.9	27.955	30.293	1.470	27.956	14.584	0.033
90.0	1.433	34.930	1456.9	27.959	30.262	1.428	27.959	14.266	0.034
100.0	1.248	34.921	1456.3	27.965	30.098	1.243	27.965	13.677	0.036
110.0	1.039	34.906	1455.5	27.967	29.910	1.034	27.968	13.419	0.037
120.0	0.870	34.901	1454.9	27.974	29.764	0.865	27.975	12.714	0.038
130.1	0.733	34.895	1454.4	27.978	29.646	0.728	27.979	12.291	0.040
140.0	0.918	34.924	1455.4	27.990	29.833	0.912	27.991	11.315	0.041
150.0	0.885	34.924	1455.4	27.991	29.808	0.878	27.992	11.169	0.042
160.0	0.791	34.921	1455.2	27.996	29.730	0.784	27.996	10.752	0.043
170.0	0.676	34.916	1454.8	27.999	29.631	0.669	28.000	10.416	0.044
180.0	0.495	34.905	1454.2	28.001	29.471	0.487	28.002	10.114	0.045
190.1	0.559	34.914	1454.6	28.004	29.537	0.551	28.005	9.880	0.046
200.0	0.574	34.919	1454.9	28.008	29.559	0.566	28.009	9.564	0.047
220.0	0.489	34.918	1454.8	28.011	29.493	0.479	28.012	9.192	0.049
240.1	0.363	34.910	1454.5	28.013	29.388	0.354	28.014	9.034	0.051
260.0	0.276	34.909	1454.5	28.017	29.321	0.265	28.018	8.592	0.053
280.0	0.180	34.906	1454.4	28.020	29.246	0.169	28.021	8.218	0.054
300.0	0.013	34.895	1453.9	28.020	29.103	0.002	28.021	8.064	0.056
320.0	-0.087	34.888	1453.8	28.020	29.021	-0.099	28.021	8.004	0.057
340.0	-0.125	34.890	1453.9	28.024	29.000	-0.138	28.025	7.587	0.059
360.0	-0.076	34.898	1454.5	28.027	29.056	-0.090	28.029	7.291	0.061
380.0	-0.118	34.897	1454.6	28.029	29.029	-0.132	28.030	7.097	0.062
400.1	-0.160	34.897	1454.7	28.031	29.002	-0.175	28.033	6.819	0.063
450.1	-0.235	34.899	1455.2	28.036	28.961	-0.252	28.038	6.239	0.067
500.0	-0.277	34.904	1455.8	28.043	28.953	-0.296	28.044	5.503	0.070
550.0	-0.450	34.895	1455.8	28.044	28.820	-0.471	28.046	5.090	0.072
600.1	-0.463	34.902	1456.6	28.050	28.836	-0.486	28.051	4.454	0.075
650.0	-0.464	34.907	1457.4	28.054	28.862	-0.488	28.055	4.023	0.077
700.1	-0.532	34.905	1458.0	28.056	28.825	-0.558	28.057	3.644	0.079
750.0	-0.644	34.900	1458.2	28.057	28.747	-0.672	28.058	3.255	0.080
800.0	-0.632	34.905	1459.1	28.060	28.784	-0.662	28.062	2.847	0.082
850.0	-0.629	34.908	1460.0	28.063	28.811	-0.662	28.065	2.501	0.083
900.0	-0.736	34.901	1460.3	28.062	28.736	-0.770	28.064	2.244	0.084
950.0	-0.661	34.910	1461.5	28.065	28.829	-0.698	28.068	2.022	0.086
1000.0	-0.744	34.905	1461.9	28.065	28.776	-0.783	28.067	1.720	0.086

STA. 001D 76-15.9N 003-31.5W 08/06/90 6.1 HRS GMT, 925 RECORDS  
WIND KNOTS/DIR 018/015, AIR TEMP. 0.0° C, DEW PT 0.0°C, DEPTH 2900 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1005.0	-0.767	34.904	1461.9	28.066	28.758	-0.806	28.068	1.615	0.000
1050.0	-0.769	34.906	1462.6	28.068	28.778	-0.810	28.070	1.322	0.001
1100.0	-0.790	34.905	1463.4	28.067	28.780	-0.833	28.070	1.159	0.001
1150.0	-0.796	34.906	1464.2	28.068	28.798	-0.841	28.071	0.956	0.002
1200.0	-0.919	34.895	1464.4	28.065	28.706	-0.966	28.067	0.789	0.002
1250.1	-0.914	34.896	1465.3	28.065	28.733	-0.963	28.068	0.602	0.003
1300.1	-0.979	34.893	1465.8	28.066	28.697	-1.030	28.068	0.205	0.003
1350.1	-0.972	34.895	1466.6	28.067	28.726	-1.025	28.070	-0.006	0.003
1400.1	-1.006	34.891	1467.3	28.065	28.715	-1.062	28.068	-0.110	0.003
1450.1	-1.017	34.891	1468.1	28.065	28.727	-1.076	28.068	-0.322	0.003
1500.1	-1.035	34.889	1468.8	28.065	28.732	-1.096	28.068	-0.470	0.002
1550.1	-1.024	34.891	1469.7	28.066	28.763	-1.088	28.069	-0.664	0.002
1600.1	-1.014	34.893	1470.6	28.067	28.794	-1.081	28.070	-0.828	0.002
1650.0	-1.014	34.894	1471.5	28.067	28.815	-1.083	28.071	-1.028	0.001
1700.1	-1.014	34.894	1472.3	28.068	28.837	-1.086	28.071	-1.217	0.001
1750.0	-1.020	34.894	1473.1	28.068	28.852	-1.095	28.071	-1.369	0.000
1800.1	-1.011	34.895	1474.0	28.068	28.880	-1.090	28.072	-1.475	-0.001
1850.1	-1.015	34.895	1474.8	28.068	28.898	-1.096	28.072	-1.650	-0.001
1900.0	-1.028	34.894	1475.6	28.068	28.907	-1.112	28.072	-1.800	-0.002
1950.1	-1.019	34.895	1476.5	28.069	28.935	-1.107	28.073	-1.966	-0.003
2000.0	-1.017	34.895	1477.3	28.069	28.957	-1.108	28.073	-2.116	-0.004
2050.1	-1.020	34.896	1478.2	28.069	28.976	-1.113	28.074	-2.304	-0.005
2100.0	-1.020	34.896	1479.0	28.069	28.996	-1.116	28.073	-2.404	-0.006
2150.1	-1.021	34.896	1479.9	28.070	29.016	-1.121	28.074	-2.615	-0.008
2200.0	-1.021	34.897	1480.7	28.070	29.036	-1.124	28.075	-2.775	-0.009
2250.1	-1.030	34.895	1481.5	28.070	29.047	-1.137	28.074	-2.894	-0.011
2300.0	-1.022	34.897	1482.4	28.070	29.075	-1.132	28.075	-3.033	-0.012
2350.0	-1.020	34.897	1483.3	28.070	29.097	-1.133	28.075	-3.162	-0.014
2400.1	-1.015	34.898	1484.1	28.071	29.121	-1.132	28.076	-3.300	-0.015
2450.0	-1.020	34.897	1485.0	28.071	29.136	-1.141	28.076	-3.451	-0.017
2500.1	-1.022	34.897	1485.8	28.071	29.153	-1.146	28.076	-3.580	-0.019
2550.1	-1.025	34.897	1486.6	28.071	29.171	-1.152	28.076	-3.739	-0.020
2600.0	-1.020	34.898	1487.5	28.071	29.195	-1.151	28.077	-3.857	-0.022
2650.1	-1.023	34.897	1488.4	28.070	29.211	-1.158	28.076	-3.954	-0.024
2700.0	-1.028	34.896	1489.2	28.070	29.225	-1.167	28.076	-4.105	-0.026
2750.1	-1.027	34.897	1490.0	28.070	29.246	-1.169	28.076	-4.232	-0.028
2800.0	-1.028	34.896	1490.9	28.070	29.264	-1.174	28.076	-4.352	-0.031
2850.1	-1.029	34.896	1491.7	28.070	29.282	-1.179	28.076	-4.453	-0.033
2852.0	-1.029	34.896	1491.8	28.070	29.283	-1.179	28.076	-4.484	-0.033



STA. 002 75-40.3N 005-30.0W 08/06/90 12.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 016/010, AIR TEMP. 1.1° C, DEW PT 0.0°C, DEPTH 3430 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYN'DTH DYN M
1.0	0.064	29.628	1442.2	23.769	25.002	0.063	23.769	412.034	0.004
3.2	0.064	29.631	1442.3	23.771	25.005	0.063	23.772	411.806	0.013
5.0	0.289	29.752	1443.5	23.860	25.268	0.289	23.860	403.328	0.021
7.1	1.530	31.302	1451.2	25.041	27.441	1.529	25.041	290.851	0.028
9.0	2.782	33.584	1459.7	26.773	30.314	2.781	26.774	126.271	0.032
11.0	3.504	34.561	1464.1	27.487	31.746	3.503	27.487	58.682	0.033
13.0	3.527	34.666	1464.4	27.568	31.854	3.526	27.569	50.986	0.035
15.1	3.387	34.664	1463.8	27.580	31.729	3.386	27.580	49.930	0.036
17.1	3.254	34.663	1463.3	27.592	31.612	3.253	27.593	48.758	0.037
19.1	3.130	34.669	1462.8	27.608	31.509	3.129	27.609	47.247	0.038
21.0	2.934	34.670	1462.0	27.627	31.338	2.933	27.628	45.456	0.038
23.0	2.669	34.651	1460.9	27.636	31.091	2.668	27.637	44.614	0.039
25.0	2.288	34.651	1459.3	27.668	30.757	2.287	27.669	41.584	0.040
27.0	1.664	34.682	1456.6	27.742	30.239	1.662	27.743	34.521	0.041
29.0	1.276	34.660	1454.9	27.753	29.886	1.275	27.753	33.515	0.042
31.0	0.877	34.681	1453.2	27.797	29.559	0.875	27.797	29.314	0.042
35.0	0.503	34.704	1451.6	27.839	29.257	0.502	27.839	25.306	0.043
40.1	-0.044	34.700	1449.1	27.866	28.788	-0.046	27.867	22.670	0.045
45.0	-0.220	34.712	1448.4	27.884	28.648	-0.222	27.885	20.914	0.046
50.0	-0.449	34.714	1447.5	27.898	28.458	-0.450	27.898	19.631	0.047
60.1	-1.054	34.727	1444.8	27.934	27.960	-1.055	27.935	16.052	0.048
70.0	-0.977	34.757	1445.4	27.955	28.051	-0.979	27.956	14.037	0.050
80.0	-0.196	34.828	1449.3	27.977	28.772	-0.199	27.978	12.101	0.051
90.0	-0.107	34.846	1449.9	27.987	28.867	-0.110	27.988	11.202	0.052
100.0	-0.375	34.852	1448.8	28.006	28.647	-0.378	28.006	9.353	0.053
110.0	-0.007	34.871	1450.7	28.002	28.981	-0.011	28.003	9.810	0.054
120.0	0.017	34.869	1450.9	27.999	29.004	0.013	28.000	10.101	0.055
130.0	-0.250	34.853	1449.9	28.000	28.768	-0.254	28.000	9.918	0.056
140.1	0.116	34.890	1451.8	28.011	29.114	0.110	28.012	9.001	0.057
150.1	0.252	34.906	1452.6	28.016	29.248	0.247	28.016	8.621	0.058
160.0	0.113	34.895	1452.1	28.015	29.124	0.107	28.016	8.648	0.059
170.1	0.222	34.907	1452.7	28.018	29.231	0.215	28.019	8.368	0.060
180.0	0.166	34.899	1452.6	28.015	29.182	0.159	28.016	8.626	0.061
190.0	0.090	34.897	1452.5	28.017	29.119	0.082	28.018	8.380	0.062
200.0	-0.147	34.884	1451.5	28.020	28.912	-0.154	28.021	8.013	0.062
220.0	-0.321	34.877	1451.0	28.023	28.767	-0.329	28.024	7.618	0.064
240.0	-0.202	34.889	1451.9	28.027	28.887	-0.211	28.028	7.277	0.066
260.1	-0.188	34.894	1452.3	28.030	28.911	-0.198	28.031	7.002	0.067
280.0	-0.361	34.882	1451.8	28.029	28.763	-0.371	28.030	6.975	0.068
300.0	-0.293	34.890	1452.5	28.033	28.838	-0.303	28.034	6.650	0.070
320.0	-0.459	34.884	1452.0	28.035	28.699	-0.470	28.036	6.247	0.071
340.0	-0.318	34.901	1453.0	28.043	28.842	-0.331	28.044	5.650	0.072
360.0	-0.316	34.901	1453.4	28.042	28.853	-0.329	28.043	5.660	0.073
380.0	-0.434	34.894	1453.1	28.042	28.756	-0.448	28.043	5.510	0.074
400.1	-0.418	34.899	1453.5	28.046	28.783	-0.432	28.047	5.179	0.076
450.1	-0.548	34.895	1453.8	28.048	28.691	-0.564	28.050	4.693	0.078
500.0	-0.655	34.891	1454.1	28.050	28.620	-0.673	28.052	4.277	0.080
550.0	-0.712	34.891	1454.6	28.052	28.594	-0.731	28.054	3.907	0.082
600.0	-0.749	34.891	1455.3	28.054	28.585	-0.769	28.056	3.580	0.084
650.1	-0.764	34.894	1456.0	28.057	28.597	-0.787	28.058	3.174	0.086
700.1	-0.798	34.895	1456.7	28.060	28.591	-0.823	28.061	2.735	0.087
750.0	-0.903	34.888	1457.0	28.059	28.518	-0.930	28.060	2.514	0.089
800.0	-0.947	34.887	1457.6	28.059	28.503	-0.975	28.061	2.208	0.090
850.0	-0.964	34.887	1458.4	28.060	28.510	-0.994	28.062	2.000	0.091
900.2	-0.972	34.889	1459.2	28.062	28.527	-1.004	28.064	1.641	0.092
950.0	-1.004	34.888	1459.8	28.062	28.521	-1.038	28.064	1.395	0.093
1000.0	-1.027	34.886	1460.6	28.062	28.522	-1.063	28.064	1.225	0.093

STA. 003 75- 1.3N 005-28.4W 08/06/90 19.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 010/030, AIR TEMP. 0.6° C, DEW PT -0.6°C, DEPTH 3494 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	4.223	31.377	1462.9	24.883	29.670	4.223	24.884	305.855	0.003
3.0	4.220	31.377	1462.9	24.884	29.669	4.220	24.884	305.825	0.009
5.0	4.216	31.376	1462.9	24.883	29.666	4.216	24.883	305.891	0.015
7.0	4.230	31.382	1463.0	24.887	29.683	4.229	24.887	305.558	0.022
9.0	4.228	31.380	1463.0	24.885	29.680	4.227	24.886	305.714	0.028
11.1	4.252	31.393	1463.2	24.893	29.712	4.251	24.894	304.957	0.034
13.0	3.194	32.563	1460.2	25.923	29.824	3.193	25.923	207.027	0.039
15.0	2.020	33.873	1456.9	27.067	29.898	2.019	27.067	98.480	0.042
17.0	1.282	34.205	1454.1	27.387	29.531	1.282	27.387	68.142	0.044
19.0	1.232	34.400	1454.2	27.547	29.641	1.231	27.548	52.926	0.045
21.0	1.016	34.466	1453.3	27.615	29.508	1.015	27.615	46.507	0.046
23.0	0.962	34.549	1453.2	27.685	29.526	0.961	27.685	39.895	0.047
25.0	0.528	34.596	1451.4	27.750	29.191	0.527	27.750	33.717	0.047
27.0	0.440	34.617	1451.0	27.772	29.133	0.439	27.772	31.644	0.048
29.0	0.230	34.619	1450.1	27.786	28.955	0.229	27.786	30.311	0.049
31.0	0.058	34.673	1449.4	27.839	28.850	0.057	27.839	25.287	0.049
35.0	-0.213	34.681	1448.3	27.859	28.627	-0.214	27.859	23.337	0.050
40.0	-0.286	34.710	1448.0	27.886	28.589	-0.287	27.887	20.729	0.051
45.0	-0.313	34.742	1448.0	27.914	28.593	-0.314	27.914	18.114	0.052
50.0	-0.551	34.760	1447.0	27.939	28.405	-0.553	27.939	15.700	0.053
60.0	-0.831	34.756	1445.9	27.949	28.169	-0.833	27.949	14.707	0.055
70.2	-0.698	34.790	1446.7	27.970	28.311	-0.700	27.971	12.703	0.056
80.0	-0.952	34.725	1445.6	27.928	28.053	-0.955	27.929	16.545	0.057
90.0	-0.926	34.777	1446.0	27.969	28.118	-0.929	27.970	12.679	0.059
100.1	-0.737	34.831	1447.1	28.005	28.323	-0.740	28.006	9.294	0.060
110.0	-0.653	34.833	1447.6	28.003	28.401	-0.656	28.004	9.475	0.060
120.1	-0.852	34.828	1446.9	28.007	28.232	-0.855	28.008	9.000	0.061
130.0	-0.914	34.830	1446.7	28.012	28.186	-0.917	28.012	8.567	0.062
140.0	-0.901	34.833	1447.0	28.014	28.204	-0.905	28.015	8.312	0.063
150.0	-0.898	34.841	1447.2	28.020	28.217	-0.902	28.020	7.735	0.064
160.0	-0.871	34.846	1447.4	28.023	28.247	-0.876	28.023	7.458	0.065
170.1	-0.726	34.855	1448.3	28.024	28.382	-0.732	28.025	7.370	0.065
180.0	-0.799	34.852	1448.1	28.025	28.323	-0.804	28.026	7.223	0.066
190.0	-0.878	34.850	1447.9	28.026	28.258	-0.884	28.027	7.023	0.067
200.0	-0.818	34.857	1448.4	28.030	28.320	-0.824	28.030	6.715	0.068
220.0	-0.834	34.863	1448.6	28.035	28.320	-0.840	28.036	6.138	0.069
240.0	-0.799	34.864	1449.1	28.034	28.358	-0.807	28.035	6.180	0.070
260.0	-0.850	34.863	1449.2	28.036	28.324	-0.858	28.037	5.964	0.071
280.0	-0.897	34.862	1449.3	28.037	28.293	-0.905	28.038	5.743	0.073
300.0	-0.939	34.872	1449.4	28.047	28.274	-0.948	28.048	4.752	0.074
320.0	-0.782	34.874	1450.5	28.042	28.418	-0.792	28.043	5.237	0.075
340.1	-0.795	34.874	1450.8	28.042	28.415	-0.806	28.043	5.227	0.076
360.0	-0.803	34.874	1451.1	28.043	28.418	-0.815	28.044	5.081	0.077
380.1	-0.798	34.877	1451.4	28.045	28.433	-0.811	28.046	4.896	0.078
400.0	-0.769	34.880	1451.9	28.046	28.469	-0.782	28.047	4.752	0.079
450.1	-0.782	34.882	1452.6	28.048	28.482	-0.797	28.049	4.422	0.081
500.0	-0.796	34.883	1453.4	28.050	28.494	-0.813	28.051	4.136	0.083
550.0	-0.861	34.882	1453.9	28.052	28.460	-0.880	28.053	3.757	0.085
600.0	-0.913	34.880	1454.5	28.052	28.437	-0.933	28.054	3.479	0.087
650.1	-0.949	34.880	1455.1	28.054	28.429	-0.971	28.055	3.129	0.089
700.1	-0.973	34.880	1455.8	28.055	28.431	-0.997	28.056	2.858	0.090
750.0	-0.973	34.884	1456.7	28.058	28.456	-0.999	28.059	2.458	0.091
800.0	-0.998	34.883	1457.4	28.058	28.457	-1.025	28.060	2.199	0.093
850.0	-1.039	34.881	1458.0	28.058	28.442	-1.069	28.060	1.986	0.094
900.0	-1.048	34.881	1458.8	28.058	28.456	-1.080	28.060	1.806	0.095
950.0	-1.057	34.882	1459.6	28.059	28.471	-1.091	28.061	1.520	0.095
1000.0	-1.068	34.882	1460.4	28.060	28.484	-1.104	28.062	1.290	0.096



STA. 004 74-34.3N 009- 9.1W 08/07/90 3.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 005/325, AIR TEMP. -0.6° C, DEW PT 99.9°C, DEPTH 3300 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	1.295	29.975	1448.3	23.990	26.201	1.295	23.991	390.936	0.004
3.0	1.301	29.971	1448.4	23.987	26.203	1.300	23.987	391.232	0.012
5.0	1.296	29.970	1448.4	23.986	26.200	1.296	23.987	391.305	0.020
7.0	1.278	29.990	1448.4	24.003	26.203	1.278	24.004	389.644	0.028
9.0	0.837	30.552	1447.1	24.478	26.308	0.837	24.478	344.414	0.035
11.1	0.507	31.697	1447.2	25.416	26.942	0.507	25.417	255.071	0.041
13.0	0.452	32.101	1447.5	25.744	27.209	0.451	25.744	223.921	0.046
15.0	1.068	32.893	1451.4	26.347	28.325	1.067	26.347	166.727	0.050
17.0	1.455	33.724	1454.2	26.989	29.301	1.455	26.989	105.848	0.052
19.1	1.388	33.991	1454.3	27.208	29.455	1.387	27.209	85.054	0.054
21.0	1.699	34.250	1456.1	27.393	29.926	1.698	27.394	67.558	0.056
23.1	0.885	34.164	1452.4	27.380	29.163	0.884	27.381	68.746	0.057
25.1	0.970	34.309	1453.0	27.491	29.348	0.969	27.492	58.247	0.058
27.0	0.309	34.392	1450.1	27.598	28.850	0.308	27.599	48.051	0.059
29.1	0.255	34.444	1450.0	27.643	28.845	0.254	27.644	43.778	0.060
31.1	0.104	34.497	1449.4	27.695	28.757	0.103	27.695	38.914	0.061
35.0	0.255	34.614	1450.3	27.780	28.976	0.254	27.781	30.827	0.062
40.0	0.173	34.685	1450.1	27.842	28.962	0.171	27.843	24.951	0.064
45.1	-0.063	34.700	1449.1	27.867	28.774	-0.065	27.868	22.560	0.065
50.0	0.042	34.755	1449.8	27.906	28.908	0.040	27.907	18.882	0.066
60.1	0.374	34.826	1451.5	27.945	29.251	0.371	27.945	15.288	0.068
70.2	0.408	34.849	1451.9	27.961	29.302	0.406	27.961	13.787	0.069
80.0	0.276	34.854	1451.5	27.973	29.197	0.273	27.973	12.636	0.071
90.0	0.235	34.853	1451.4	27.974	29.165	0.232	27.975	12.512	0.072
100.0	0.095	34.852	1451.0	27.981	29.049	0.091	27.981	11.835	0.073
110.0	0.062	34.855	1451.0	27.985	29.028	0.058	27.986	11.407	0.074
120.0	0.010	34.857	1450.9	27.990	28.989	0.006	27.991	10.958	0.075
130.0	0.012	34.861	1451.1	27.993	28.998	0.007	27.994	10.639	0.076
140.0	0.019	34.867	1451.3	27.998	29.014	0.014	27.999	10.201	0.077
150.0	0.007	34.870	1451.4	28.000	29.010	0.001	28.001	9.944	0.078
160.0	0.007	34.875	1451.6	28.004	29.019	0.001	28.005	9.568	0.079
170.1	-0.005	34.878	1451.7	28.008	29.015	-0.012	28.009	9.248	0.080
180.0	0.014	34.880	1451.9	28.008	29.037	0.007	28.009	9.235	0.081
190.1	-0.045	34.877	1451.8	28.009	28.989	-0.052	28.010	9.107	0.082
200.1	-0.099	34.875	1451.7	28.010	28.946	-0.106	28.011	8.982	0.083
220.0	-0.170	34.874	1451.7	28.013	28.893	-0.178	28.014	8.670	0.085
240.0	-0.235	34.871	1451.7	28.014	28.844	-0.244	28.014	8.535	0.087
260.1	-0.328	34.867	1451.6	28.016	28.772	-0.337	28.016	8.260	0.088
280.0	-0.627	34.854	1450.6	28.019	28.516	-0.636	28.019	7.724	0.090
300.0	-0.677	34.850	1450.6	28.018	28.479	-0.687	28.019	7.716	0.091
320.1	-0.733	34.852	1450.7	28.022	28.443	-0.744	28.023	7.205	0.093
340.0	-0.887	34.849	1450.3	28.026	28.318	-0.898	28.027	6.685	0.094
360.0	-0.930	34.845	1450.4	28.024	28.289	-0.941	28.025	6.712	0.096
380.0	-0.936	34.847	1450.7	28.027	28.294	-0.948	28.028	6.415	0.097
400.0	-0.911	34.851	1451.2	28.029	28.327	-0.924	28.030	6.228	0.098
450.0	-0.928	34.856	1451.9	28.034	28.340	-0.942	28.035	5.608	0.101
500.3	-0.945	34.857	1452.7	28.035	28.348	-0.961	28.036	5.321	0.104
550.0	-0.828	34.871	1454.1	28.041	28.480	-0.846	28.042	4.783	0.107
600.0	-0.891	34.865	1454.6	28.040	28.445	-0.911	28.041	4.698	0.109
650.0	-0.903	34.867	1455.3	28.041	28.459	-0.925	28.043	4.379	0.111
700.0	-0.911	34.868	1456.1	28.042	28.475	-0.935	28.044	4.135	0.113
750.0	-0.898	34.872	1457.0	28.045	28.511	-0.924	28.047	3.791	0.115
800.0	-0.883	34.874	1457.9	28.046	28.547	-0.912	28.048	3.564	0.117
850.0	-0.878	34.878	1458.8	28.049	28.577	-0.908	28.051	3.203	0.119
900.1	-0.887	34.880	1459.6	28.051	28.592	-0.920	28.053	2.900	0.121
950.0	-0.902	34.880	1460.3	28.052	28.602	-0.937	28.054	2.624	0.122
1000.0	-0.924	34.880	1461.0	28.053	28.605	-0.961	28.055	2.342	0.123

STA. 005 73-56.0N 010-24.2W 08/07/90 11.0 HRS GMT, 994 RECORDS  
WIND KNOTS/DIR 004/195, AIR TEMP. 1.1° C, DEW PT 0.6°C, DEPTH 3004 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
8.0	0.753	30.099	1446.1	24.118	25.889	0.753	24.118	378.711	0.030
9.0	0.533	30.616	1445.8	24.545	26.124	0.533	24.545	338.044	0.034
11.0	0.474	31.416	1446.7	25.192	26.698	0.473	25.192	276.434	0.040
13.0	0.358	32.382	1447.4	25.976	27.350	0.358	25.976	201.923	0.045
15.1	0.015	32.848	1446.5	26.368	27.427	0.014	26.368	164.669	0.049
17.0	-0.035	33.179	1446.8	26.638	27.638	-0.036	26.638	139.062	0.052
19.0	-0.013	33.473	1447.4	26.873	27.901	0.013	26.873	116.777	0.054
21.0	-0.190	33.679	1446.8	27.049	27.889	-0.191	27.049	100.078	0.056
23.0	-0.131	33.883	1447.4	27.211	28.092	-0.132	27.211	84.724	0.058
25.0	-0.102	34.010	1447.7	27.312	28.213	-0.102	27.312	75.155	0.060
27.0	-0.057	34.073	1448.0	27.360	28.299	-0.058	27.361	70.560	0.061
29.0	0.021	34.214	1448.6	27.470	28.472	0.020	27.471	60.130	0.063
31.0	-0.008	34.266	1448.6	27.514	28.488	-0.009	27.514	56.035	0.064
35.0	-0.050	34.404	1448.6	27.627	28.557	-0.052	27.628	45.286	0.066
40.0	0.528	34.571	1451.6	27.730	29.179	0.527	27.730	35.634	0.068
45.0	0.795	34.639	1453.0	27.768	29.463	0.793	27.769	32.000	0.069
50.0	0.695	34.678	1452.6	27.806	29.409	0.693	27.806	28.478	0.071
60.0	0.817	34.785	1453.5	27.884	29.601	0.815	27.885	21.115	0.073
70.0	1.364	34.859	1456.2	27.907	30.138	1.361	27.907	19.085	0.075
80.0	1.709	34.926	1458.0	27.935	30.496	1.705	27.936	16.516	0.077
90.0	1.490	34.917	1457.2	27.944	30.301	1.485	27.945	15.671	0.079
100.0	0.541	34.836	1453.0	27.943	29.421	0.537	27.944	15.542	0.080
110.1	0.953	34.881	1455.0	27.953	29.816	0.948	27.953	14.752	0.082
120.0	0.276	34.836	1452.1	27.958	29.202	0.271	27.959	14.029	0.083
130.0	0.877	34.907	1455.1	27.978	29.779	0.871	27.979	12.340	0.084
140.0	0.847	34.901	1455.1	27.976	29.753	0.840	27.977	12.585	0.086
150.0	0.715	34.899	1454.7	27.982	29.642	0.708	27.983	11.964	0.087
160.0	0.637	34.896	1454.5	27.985	29.577	0.630	27.986	11.684	0.088
170.0	0.600	34.895	1454.5	27.987	29.549	0.593	27.987	11.537	0.089
180.0	0.511	34.896	1454.2	27.993	29.477	0.503	27.994	10.921	0.090
190.0	0.467	34.892	1454.2	27.992	29.441	0.459	27.993	10.961	0.092
200.0	0.454	34.897	1454.3	27.997	29.438	0.445	27.998	10.489	0.093
220.1	0.392	34.898	1454.3	28.001	29.394	0.383	28.002	10.108	0.095
240.0	0.195	34.888	1453.7	28.005	29.227	0.186	28.006	9.653	0.097
260.0	0.216	34.894	1454.2	28.009	29.259	0.206	28.010	9.300	0.099
280.1	0.154	34.893	1454.2	28.011	29.213	0.143	28.012	9.063	0.100
300.0	0.099	34.892	1454.3	28.014	29.175	0.087	28.015	8.760	0.102
320.0	0.055	34.894	1454.4	28.017	29.147	0.042	28.018	8.385	0.104
340.0	0.037	34.893	1454.7	28.018	29.140	0.023	28.019	8.319	0.106
360.1	-0.104	34.888	1454.3	28.021	29.024	-0.118	28.022	7.909	0.107
380.0	-0.068	34.893	1454.8	28.023	29.069	-0.083	28.025	7.669	0.109
400.0	-0.116	34.891	1454.9	28.024	29.036	-0.131	28.026	7.527	0.110
450.1	-0.276	34.884	1455.0	28.027	28.916	-0.293	28.028	7.067	0.114
500.1	-0.299	34.890	1455.7	28.033	28.923	-0.317	28.034	6.450	0.117
550.0	-0.381	34.892	1456.2	28.038	28.877	-0.401	28.039	5.779	0.120
600.0	-0.437	34.890	1456.5	28.042	28.808	-0.509	28.043	5.205	0.123
650.0	-0.563	34.890	1457.0	28.045	28.765	-0.587	28.046	4.679	0.125
700.0	-0.664	34.885	1457.3	28.046	28.697	-0.690	28.048	4.298	0.128
750.0	-0.729	34.884	1457.8	28.048	28.664	-0.756	28.050	3.884	0.130
800.0	-0.720	34.889	1458.7	28.051	28.696	-0.750	28.053	3.513	0.132
850.1	-0.746	34.890	1459.4	28.053	28.697	-0.777	28.055	3.162	0.133
900.0	-0.777	34.890	1460.1	28.055	28.693	-0.811	28.057	2.797	0.135
950.0	-0.770	34.893	1460.9	28.057	28.723	-0.806	28.059	2.527	0.136
1000.0	-0.751	34.898	1461.9	28.060	28.765	-0.790	28.062	2.181	0.137



STA. 006 73-23.7N 008-33.4W 08/07/90 19.1 HRS GMT, 1002 RECORDS  
WIND KNOTS/DIR 010/025, AIR TEMP. 1.1° C, DEW PT 0.6°C, DEPTH 3125 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
0.0	1.485	29.732	1448.8	23.784	26.151	1.485	23.785	410.580	0.000
1.0	1.489	29.724	1448.9	23.778	26.148	1.489	23.778	411.216	0.004
3.7	1.467	29.748	1448.8	23.798	26.152	1.467	23.799	409.213	0.015
5.0	1.049	29.815	1447.1	23.875	25.890	1.049	23.876	401.881	0.021
7.0	0.240	30.235	1443.9	24.251	25.605	0.240	24.251	366.045	0.028
9.0	-0.250	31.106	1442.9	24.973	25.895	-0.250	24.974	297.211	0.035
11.1	-0.026	32.267	1445.5	25.901	26.952	-0.027	25.901	209.029	0.040
13.1	0.039	32.759	1446.5	26.295	27.379	0.039	26.295	171.613	0.044
15.0	0.042	33.271	1447.2	26.708	27.770	0.041	26.708	132.419	0.047
17.0	0.160	33.650	1448.3	27.008	28.156	0.159	27.008	103.962	0.049
19.0	0.062	33.828	1448.1	27.156	28.210	0.061	27.157	89.902	0.051
21.0	0.037	33.969	1448.2	27.272	28.297	0.036	27.272	78.971	0.053
23.1	0.051	34.094	1448.5	27.371	28.403	0.050	27.372	69.507	0.054
25.0	0.212	34.275	1449.5	27.509	28.678	0.211	27.509	56.500	0.056
27.0	0.240	34.304	1449.7	27.531	28.725	0.239	27.532	54.364	0.057
29.0	0.294	34.367	1450.1	27.579	28.819	0.293	27.579	49.900	0.058
31.1	0.555	34.435	1451.4	27.619	29.094	0.554	27.619	46.108	0.059
35.0	0.827	34.574	1452.9	27.713	29.435	0.826	27.714	37.199	0.060
40.0	0.700	34.673	1452.5	27.801	29.405	0.698	27.802	28.861	0.062
45.1	0.783	34.750	1453.1	27.858	29.538	0.781	27.859	23.505	0.063
50.0	0.852	34.804	1453.5	27.897	29.641	0.850	27.897	19.872	0.064
60.0	1.237	34.889	1455.5	27.939	30.046	1.234	27.940	15.930	0.066
70.0	1.332	34.912	1456.1	27.951	30.150	1.329	27.952	14.886	0.068
80.1	1.063	34.897	1455.1	27.958	29.910	1.060	27.959	14.190	0.069
90.1	0.795	34.893	1454.0	27.973	29.679	0.791	27.974	12.762	0.071
100.0	0.774	34.902	1454.1	27.981	29.673	0.770	27.982	11.967	0.072
110.1	0.591	34.893	1453.4	27.985	29.511	0.586	27.986	11.588	0.073
120.0	0.587	34.897	1453.6	27.989	29.516	0.582	27.990	11.249	0.074
130.0	0.631	34.911	1454.2	27.994	29.612	0.675	27.995	10.812	0.075
140.1	0.597	34.912	1454.0	28.000	29.546	0.592	28.001	10.213	0.076
150.0	0.492	34.906	1453.6	28.002	29.454	0.485	28.002	10.036	0.077
160.0	0.392	34.900	1453.4	28.003	29.368	0.385	28.004	9.839	0.078
170.1	0.292	34.896	1453.1	28.006	29.284	0.286	28.007	9.569	0.079
180.0	0.232	34.894	1452.9	28.008	29.235	0.225	28.009	9.372	0.080
190.0	0.202	34.893	1453.0	28.009	29.214	0.195	28.009	9.278	0.081
200.0	0.172	34.894	1453.0	28.010	29.193	0.165	28.011	9.086	0.082
220.0	0.136	34.892	1453.2	28.012	29.170	0.127	28.013	8.965	0.084
240.1	0.033	34.889	1453.0	28.015	29.088	0.023	28.016	8.598	0.086
260.0	-0.052	34.889	1452.9	28.019	29.024	-0.062	28.020	8.168	0.087
280.0	-0.158	34.888	1452.8	28.024	28.942	-0.169	28.025	7.614	0.089
300.0	-0.187	34.887	1453.0	28.024	28.925	-0.198	28.025	7.521	0.090
320.1	-0.203	34.886	1453.2	28.024	28.920	-0.215	28.025	7.483	0.092
340.1	-0.259	34.886	1453.3	28.027	28.881	-0.271	28.028	7.172	0.093
360.0	-0.244	34.889	1453.7	28.029	28.906	-0.257	28.030	6.963	0.095
380.1	-0.306	34.888	1453.7	28.031	28.861	-0.320	28.032	6.699	0.096
400.1	-0.454	34.877	1453.4	28.029	28.735	-0.463	28.030	6.685	0.098
450.0	-0.554	34.885	1453.7	28.041	28.679	-0.569	28.042	5.422	0.101
500.0	-0.587	34.886	1454.4	28.043	28.674	-0.605	28.044	5.064	0.103
550.0	-0.672	34.884	1454.8	28.045	28.622	-0.692	28.046	4.680	0.106
600.0	-0.720	34.884	1455.4	28.047	28.604	-0.741	28.048	4.291	0.108
650.0	-0.767	34.883	1456.0	28.049	28.586	-0.790	28.050	3.929	0.110
700.0	-0.716	34.891	1457.1	28.052	28.657	-0.741	28.054	3.596	0.112
750.0	-0.733	34.892	1457.8	28.055	28.667	-0.760	28.056	3.248	0.114
800.1	-0.739	34.895	1458.6	28.057	28.685	-0.769	28.059	2.904	0.115
850.0	-0.792	34.893	1459.2	28.058	28.661	-0.823	28.060	2.604	0.116
900.0	-0.805	34.893	1460.0	28.059	28.672	-0.839	28.060	2.388	0.118
950.1	-0.839	34.894	1460.6	28.060	28.666	-0.874	28.062	2.021	0.119
1000.0	-0.841	34.896	1461.4	28.062	28.687	-0.879	28.064	1.724	0.120

STA. 007S 73- 1.1N 009-17.1W 08/08/90 1.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 010/040, AIR TEMP. 2.8° C, DEW PT 0.0°C, DEPTH 2820 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	1.957	29.866	1451.1	23.863	26.619	1.957	23.864	403.059	0.004
3.0	1.976	29.816	1451.2	23.822	26.594	1.976	23.822	406.974	0.012
5.1	1.994	29.820	1451.3	23.824	26.612	1.994	23.825	406.761	0.021
7.0	2.047	30.126	1452.0	24.065	26.901	2.047	24.066	383.753	0.028
9.0	1.932	30.313	1451.7	24.222	26.965	1.932	24.223	368.784	0.036
11.0	1.441	31.515	1451.2	25.217	27.542	1.440	25.218	274.043	0.042
13.0	1.179	32.039	1450.7	25.654	27.746	1.178	25.654	232.527	0.047
15.0	0.435	32.409	1447.9	25.993	27.434	0.434	25.994	200.250	0.052
17.0	0.086	32.695	1446.7	26.241	27.371	0.086	26.242	176.682	0.055
19.0	-0.131	32.908	1446.0	26.423	27.356	-0.132	26.424	159.368	0.059
21.0	-0.230	33.040	1445.7	26.534	27.376	-0.231	26.535	148.843	0.062
23.0	-0.332	33.280	1445.6	26.733	27.474	-0.332	26.733	129.983	0.065
25.0	-0.477	33.445	1445.2	26.872	27.479	-0.477	26.873	116.771	0.067
27.0	-0.245	33.605	1446.5	26.992	27.791	-0.245	26.992	105.447	0.069
29.1	-0.445	33.762	1445.8	27.127	27.743	-0.446	27.128	92.583	0.071
31.0	-0.382	33.848	1446.3	27.194	27.861	-0.383	27.195	86.257	0.073
35.0	-0.461	34.040	1446.2	27.353	27.939	-0.462	27.353	71.214	0.076
40.0	-0.234	34.287	1447.7	27.542	28.317	-0.235	27.543	53.300	0.079
45.1	-0.195	34.427	1448.2	27.653	28.457	-0.197	27.654	42.756	0.082
50.0	0.149	34.592	1450.0	27.769	28.875	0.147	27.769	31.912	0.083
60.1	0.374	34.723	1451.4	27.861	29.172	0.372	27.862	23.198	0.086
70.0	0.637	34.841	1452.9	27.940	29.493	0.634	27.941	15.761	0.088
80.0	0.884	34.857	1454.2	27.938	29.724	0.881	27.939	16.052	0.090
90.0	1.246	34.905	1456.1	27.952	30.080	1.242	27.952	14.876	0.092
100.0	1.182	34.911	1455.9	27.961	30.033	1.177	27.962	13.997	0.093
110.0	0.878	34.897	1454.7	27.970	29.763	0.873	27.971	13.075	0.094
120.0	0.881	34.906	1454.9	27.977	29.777	0.875	27.978	12.446	0.096
130.0	0.764	34.902	1454.5	27.981	29.677	0.758	27.982	12.019	0.097
140.1	0.748	34.904	1454.6	27.985	29.670	0.742	27.986	11.717	0.098
150.1	0.650	34.904	1454.4	27.990	29.589	0.644	27.991	11.180	0.099
160.0	0.584	34.901	1454.2	27.992	29.535	0.577	27.993	10.983	0.100
170.1	0.490	34.901	1454.0	27.998	29.458	0.483	27.999	10.416	0.101
180.0	0.477	34.901	1454.1	27.999	29.452	0.470	28.000	10.320	0.102
190.1	0.398	34.896	1453.9	28.000	29.385	0.391	28.001	10.220	0.103
200.0	0.330	34.896	1453.7	28.004	29.330	0.322	28.005	9.821	0.104
220.1	0.264	34.897	1453.7	28.008	29.284	0.256	28.009	9.374	0.106
240.0	0.156	34.896	1453.6	28.013	29.199	0.147	28.014	8.804	0.108
260.0	0.033	34.892	1453.3	28.016	29.100	0.023	28.017	8.440	0.110
280.0	-0.102	34.883	1453.0	28.017	28.986	-0.113	28.018	8.286	0.112
300.0	-0.094	34.887	1453.4	28.019	29.005	-0.105	28.020	8.069	0.113
320.0	-0.228	34.881	1453.1	28.021	28.894	-0.240	28.022	7.741	0.115
340.1	-0.198	34.886	1453.6	28.024	28.933	-0.211	28.025	7.497	0.116
360.1	-0.250	34.885	1453.7	28.026	28.897	-0.264	28.027	7.243	0.118
380.0	-0.318	34.883	1453.7	28.028	28.847	-0.332	28.029	6.987	0.119
400.0	-0.326	34.886	1454.0	28.030	28.851	-0.341	28.031	6.735	0.120
450.0	-0.383	34.888	1454.5	28.035	28.827	-0.400	28.037	6.137	0.124
500.0	-0.447	34.892	1455.0	28.041	28.798	-0.465	28.043	5.419	0.127
550.1	-0.584	34.888	1455.2	28.044	28.700	-0.604	28.045	4.882	0.129
600.0	-0.619	34.889	1455.9	28.047	28.694	-0.641	28.049	4.446	0.131
650.1	-0.641	34.892	1456.6	28.050	28.699	-0.665	28.051	4.066	0.134
700.0	-0.654	34.894	1457.4	28.052	28.712	-0.679	28.054	3.733	0.136
750.1	-0.680	34.895	1458.1	28.054	28.713	-0.707	28.056	3.400	0.137
800.1	-0.705	34.896	1458.8	28.056	28.714	-0.735	28.058	3.076	0.139
850.0	-0.759	34.895	1459.4	28.058	28.690	-0.790	28.060	2.685	0.140
900.0	-0.753	34.898	1460.2	28.060	28.715	-0.792	28.062	2.385	0.142
950.0	-0.756	34.899	1461.0	28.061	28.740	-0.792	28.063	2.143	0.143
1000.0	-0.772	34.902	1461.8	28.064	28.750	-0.811	28.066	1.750	0.144



STA. 007D 73- 1.1N 009-17.0W 08/08/90 2.1 HRS GMT, 877 RECORDS  
WIND KNOTS/DIR 010/035, AIR TEMP. 2.8° C, DEN PT 0.0°C, DEPTH 2820 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.775	34.901	1461.8	28.064	28.747	-0.814	28.066	1.778	0.000
1050.0	-0.789	34.902	1462.5	28.065	28.757	-0.830	28.067	1.483	0.001
1100.1	-0.804	34.903	1463.3	28.066	28.766	-0.847	28.068	1.258	0.001
1150.1	-0.828	34.903	1464.0	28.067	28.768	-0.873	28.069	0.972	0.002
1200.0	-0.827	34.904	1464.8	28.068	28.791	-0.875	28.071	0.741	0.002
1250.1	-0.851	34.903	1465.6	28.069	28.792	-0.901	28.071	0.510	0.003
1300.0	-0.864	34.904	1466.3	28.069	28.803	-0.916	28.072	0.280	0.003
1350.0	-0.870	34.905	1467.1	28.071	28.820	-0.925	28.073	0.032	0.003
1400.1	-0.906	34.903	1467.8	28.070	28.808	-0.953	28.073	-0.204	0.003
1450.0	-0.910	34.903	1468.6	28.071	28.827	-0.970	28.074	-0.404	0.003
1500.0	-0.914	34.904	1469.4	28.071	28.845	-0.976	28.074	-0.567	0.003
1550.0	-0.922	34.903	1470.2	28.072	28.859	-0.987	28.075	-0.748	0.002
1600.0	-0.914	34.906	1471.1	28.073	28.888	-0.982	28.076	-0.964	0.002
1650.0	-0.928	34.905	1471.9	28.073	28.897	-0.998	28.076	-1.125	0.001
1700.1	-0.949	34.903	1472.6	28.072	28.898	-1.023	28.076	-1.297	0.001
1750.1	-0.959	34.903	1473.4	28.073	28.911	-1.035	28.076	-1.533	0.000
1800.0	-0.941	34.906	1474.3	28.074	28.948	-1.021	28.078	-1.692	-0.001
1850.0	-0.955	34.905	1475.1	28.074	28.956	-1.037	28.078	-1.846	-0.002
1900.1	-0.963	34.905	1475.9	28.074	28.970	-1.048	28.078	-2.051	-0.003
1950.0	-0.964	34.904	1476.8	28.074	28.989	-1.052	28.078	-2.171	-0.004
2000.0	-0.968	34.904	1477.6	28.074	29.006	-1.059	28.078	-2.323	-0.005
2050.0	-0.971	34.905	1478.4	28.075	29.024	-1.066	28.079	-2.545	-0.006
2100.1	-0.974	34.905	1479.3	28.075	29.042	-1.071	28.079	-2.666	-0.007
2150.0	-0.980	34.904	1480.1	28.075	29.056	-1.081	28.079	-2.812	-0.009
2200.0	-0.977	34.905	1480.9	28.075	29.079	-1.081	28.080	-2.950	-0.010
2250.1	-0.988	34.904	1481.7	28.075	29.089	-1.096	28.080	-3.135	-0.012
2300.0	-0.995	34.903	1482.5	28.074	29.103	-1.105	28.079	-3.231	-0.013
2350.1	-1.011	34.901	1483.3	28.073	29.108	-1.124	28.078	-3.383	-0.015
2400.1	-1.019	34.900	1484.1	28.073	29.119	-1.136	28.078	-3.498	-0.017
2450.1	-1.043	34.896	1484.9	28.070	29.116	-1.163	28.075	-3.579	-0.018
2500.1	-1.048	34.897	1485.7	28.072	29.132	-1.172	28.077	-3.877	-0.020
2550.0	-1.048	34.897	1486.5	28.071	29.151	-1.175	28.076	-3.934	-0.022
2600.0	-1.050	34.897	1487.4	28.071	29.169	-1.180	28.077	-4.095	-0.024
2650.1	-1.054	34.896	1488.2	28.071	29.183	-1.188	28.076	-4.193	-0.026
2700.0	-1.057	34.895	1489.0	28.070	29.200	-1.195	28.076	-4.323	-0.028
2750.0	-1.059	34.894	1489.9	28.070	29.217	-1.201	28.075	-4.399	-0.031

STA. 008 72-24.4N 011-15.2W 08/08/90 11.0 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 020/200, AIR TEMP. 0.6° C, DEW PT -0.6°C, DEPTH 1150 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	4.538	31.379	1464.2	24.854	29.930	4.538	24.854	308.648	0.003
3.0	4.524	31.371	1464.1	24.848	29.913	4.524	24.849	309.187	0.009
5.0	4.532	31.377	1464.2	24.852	29.925	4.532	24.853	308.819	0.016
7.1	4.526	31.366	1464.2	24.844	29.911	4.525	24.845	309.599	0.022
9.0	4.572	31.394	1464.5	24.862	29.974	4.571	24.863	307.917	0.028
11.3	4.571	31.404	1464.5	24.870	29.983	4.570	24.871	307.150	0.035
13.0	4.408	31.688	1464.2	25.112	30.094	4.407	25.112	284.166	0.040
15.3	0.571	32.375	1448.5	25.959	27.518	0.571	25.959	203.516	0.045
17.0	0.318	32.677	1447.7	26.215	27.545	0.317	26.216	179.166	0.049
19.0	0.334	33.086	1448.4	26.544	27.872	0.333	26.545	147.935	0.052
21.0	-0.521	33.330	1444.8	26.781	27.355	-0.522	26.782	125.374	0.055
23.0	-0.715	33.477	1444.1	26.908	27.305	-0.716	26.908	113.387	0.057
25.0	-0.776	33.624	1444.0	27.030	27.365	-0.777	27.030	101.812	0.059
27.3	-0.716	33.728	1444.5	27.111	27.492	-0.717	27.112	94.097	0.061
29.0	-0.718	33.756	1444.6	27.134	27.512	-0.719	27.134	91.923	0.063
31.1	0.095	33.919	1448.6	27.229	28.312	0.093	27.229	83.029	0.065
35.0	-0.407	34.042	1446.5	27.352	27.986	-0.408	27.353	71.247	0.068
40.0	-0.509	34.239	1446.4	27.516	28.050	-0.510	27.516	55.778	0.071
45.1	-0.361	34.303	1447.2	27.561	28.224	-0.363	27.562	51.455	0.073
50.0	-0.065	34.462	1448.9	27.675	28.596	-0.067	27.676	40.710	0.076
60.0	0.600	34.657	1452.3	27.795	29.315	0.597	27.795	29.513	0.079
70.1	0.857	34.740	1453.8	27.846	29.606	0.854	27.846	24.769	0.082
80.0	0.811	34.775	1453.8	27.876	29.597	0.808	27.877	21.860	0.084
90.1	1.111	34.842	1455.4	27.911	29.914	1.107	27.911	18.704	0.086
100.0	1.223	34.873	1456.1	27.928	30.039	1.218	27.929	17.149	0.088
110.0	1.246	34.886	1456.4	27.936	30.073	1.240	27.937	16.382	0.090
120.0	1.297	34.900	1456.8	27.944	30.134	1.292	27.945	15.683	0.091
130.0	1.201	34.904	1456.5	27.954	30.058	1.195	27.955	14.778	0.093
140.0	1.340	34.923	1457.3	27.960	30.199	1.334	27.961	14.287	0.094
150.0	1.311	34.922	1457.4	27.961	30.178	1.304	27.962	14.214	0.096
160.0	1.176	34.917	1456.9	27.967	30.060	1.168	27.968	13.641	0.097
170.0	1.148	34.918	1456.9	27.969	30.041	1.140	27.970	13.410	0.098
180.0	1.031	34.914	1456.6	27.974	29.941	1.023	27.975	12.978	0.100
190.1	0.990	34.914	1456.6	27.977	29.910	0.981	27.978	12.694	0.101
200.0	0.921	34.913	1456.4	27.980	29.854	0.912	27.981	12.332	0.102
220.0	0.777	34.907	1456.1	27.985	29.734	0.767	27.986	11.847	0.105
240.1	0.667	34.907	1455.9	27.992	29.648	0.657	27.993	11.147	0.107
260.0	0.587	34.906	1455.9	27.996	29.588	0.576	27.998	10.719	0.109
280.0	0.485	34.906	1455.7	28.002	29.508	0.473	28.003	10.148	0.111
300.0	0.425	34.905	1455.8	28.005	29.465	0.413	28.006	9.834	0.113
320.0	0.340	34.904	1455.7	28.009	29.400	0.327	28.010	9.401	0.115
340.0	0.280	34.902	1455.8	28.012	29.356	0.266	28.013	9.131	0.117
360.0	0.226	34.901	1455.9	28.013	29.318	0.212	28.014	8.948	0.119
380.0	0.134	34.897	1455.8	28.015	29.244	0.118	28.017	8.646	0.121
400.0	0.081	34.898	1455.9	28.019	29.209	0.065	28.020	8.246	0.122
450.1	-0.077	34.893	1455.9	28.023	29.092	-0.095	28.025	7.637	0.126
500.1	-0.186	34.891	1456.2	28.028	29.020	-0.206	28.029	7.076	0.130
550.0	-0.251	34.892	1456.8	28.032	28.988	-0.273	28.034	6.522	0.133
600.0	-0.310	34.894	1457.3	28.036	28.962	-0.333	28.038	5.983	0.136
650.0	-0.406	34.896	1457.7	28.043	28.903	-0.431	28.044	5.160	0.139
700.1	-0.455	34.896	1458.3	28.045	28.884	-0.481	28.047	4.788	0.142
750.0	-0.476	34.901	1459.0	28.050	28.891	-0.505	28.051	4.256	0.144
800.1	-0.531	34.899	1459.6	28.051	28.865	-0.562	28.053	3.926	0.146
850.1	-0.529	34.903	1460.4	28.054	28.893	-0.562	28.056	3.558	0.148
900.0	-0.546	34.906	1461.2	28.057	28.902	-0.581	28.059	3.196	0.150
950.0	-0.588	34.906	1461.8	28.059	28.888	-0.626	28.062	2.778	0.151
1000.0	-0.618	34.907	1462.5	28.061	28.885	-0.658	28.064	2.415	0.152

STA. 009 72- 2.9N 012-15.4W 08/09/90 17.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 008/040, AIR TEMP. 99.9° C, DEW PT 99.9°C, DEPTH 3050 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	3.855	31.101	1461.0	24.699	29.136	3.855	24.700	323.376	0.003
3.0	3.896	31.099	1461.2	24.694	29.169	3.896	24.694	323.896	0.010
5.0	3.988	31.051	1461.5	24.647	29.202	3.987	24.647	328.369	0.016
7.0	3.982	31.040	1461.5	24.639	29.189	3.981	24.639	329.160	0.023
9.0	3.900	31.127	1461.3	24.716	29.198	3.899	24.716	321.851	0.029
11.1	2.593	31.693	1456.5	25.279	28.612	2.593	25.279	268.239	0.036
13.0	0.409	32.159	1447.4	25.793	27.220	0.409	25.793	219.277	0.041
15.0	0.002	32.444	1445.9	26.043	27.111	0.002	26.043	195.533	0.045
17.0	0.602	32.880	1449.3	26.364	27.933	0.601	26.364	165.062	0.048
19.0	0.359	33.069	1448.5	26.529	27.880	0.359	26.530	149.354	0.051
21.0	-0.148	33.266	1446.4	26.713	27.613	-0.148	26.713	131.893	0.054
23.0	-0.181	33.392	1446.5	26.817	27.682	-0.182	26.817	122.068	0.057
25.0	-0.371	33.477	1445.7	26.894	27.590	-0.372	26.894	114.729	0.059
27.0	-0.713	33.547	1444.3	26.964	27.361	-0.714	26.965	108.014	0.061
29.0	-0.938	33.715	1443.5	27.109	27.301	-0.938	27.110	94.250	0.063
31.1	-1.029	33.783	1443.2	27.168	27.276	-1.030	27.168	88.686	0.065
35.0	-0.961	33.983	1443.8	27.327	27.481	-0.962	27.328	73.586	0.068
40.0	-0.721	34.164	1445.3	27.465	27.817	-0.722	27.465	60.579	0.072
45.0	-0.535	34.250	1446.3	27.526	28.039	-0.536	27.527	54.751	0.075
50.0	-0.116	34.413	1448.6	27.638	28.515	-0.118	27.638	44.265	0.077
60.3	0.277	34.562	1450.8	27.737	28.967	0.275	27.738	34.921	0.081
70.1	0.821	34.694	1453.6	27.811	29.539	0.818	27.811	28.070	0.084
80.0	1.516	34.823	1457.0	27.866	30.246	1.512	27.867	22.970	0.086
90.1	1.793	34.890	1458.5	27.900	30.545	1.788	27.900	19.920	0.089
100.0	1.754	34.901	1458.5	27.911	30.524	1.749	27.912	18.866	0.091
110.0	1.825	34.925	1459.0	27.925	30.610	1.819	27.926	17.620	0.092
120.0	1.800	34.930	1459.0	27.931	30.596	1.794	27.932	17.126	0.094
130.1	1.696	34.929	1458.7	27.939	30.510	1.690	27.939	16.393	0.096
140.0	1.656	34.929	1458.7	27.941	30.479	1.649	27.942	16.196	0.097
150.0	1.636	34.935	1458.8	27.947	30.471	1.628	27.949	15.610	0.099
160.1	1.593	34.938	1458.8	27.953	30.441	1.585	27.954	15.100	0.101
170.0	1.537	34.935	1458.7	27.955	30.394	1.529	27.956	14.910	0.102
180.0	1.455	34.933	1458.5	27.959	30.325	1.446	27.960	14.552	0.104
190.0	1.366	34.928	1458.3	27.962	30.248	1.356	27.963	14.277	0.105
200.1	1.205	34.917	1457.7	27.964	30.104	1.196	27.965	14.000	0.106
220.0	1.180	34.924	1457.9	27.972	30.097	1.170	27.973	13.359	0.109
240.0	1.009	34.910	1457.5	27.972	29.947	0.998	27.973	13.266	0.112
260.1	0.752	34.899	1456.6	27.980	29.725	0.741	27.981	12.366	0.114
280.1	0.785	34.907	1457.1	27.984	29.768	0.773	27.985	12.058	0.117
300.3	0.721	34.910	1457.1	27.991	29.725	0.708	27.992	11.399	0.119
320.0	0.595	34.904	1456.9	27.994	29.620	0.581	27.995	11.037	0.121
340.1	0.514	34.903	1456.9	27.998	29.559	0.500	28.000	10.597	0.124
360.1	0.453	34.901	1456.9	28.001	29.514	0.438	28.002	10.347	0.126
380.1	0.405	34.905	1457.0	28.006	29.484	0.389	28.008	9.766	0.128
400.0	0.312	34.901	1456.9	28.008	29.410	0.295	28.010	9.516	0.130
450.0	0.172	34.899	1457.1	28.015	29.311	0.153	28.016	8.747	0.134
500.1	-0.022	34.892	1457.0	28.019	29.161	-0.042	28.021	8.062	0.138
550.0	-0.129	34.892	1457.3	28.025	29.092	-0.151	28.027	7.341	0.142
600.0	-0.176	34.894	1457.9	28.029	29.075	-0.200	28.031	6.875	0.146
650.1	-0.213	34.897	1458.6	28.034	29.069	-0.239	28.036	6.314	0.149
700.0	-0.260	34.900	1459.2	28.038	29.053	-0.287	28.040	5.812	0.152
750.1	-0.342	34.900	1459.6	28.042	29.005	-0.372	28.044	5.206	0.155
800.0	-0.388	34.903	1460.3	28.047	28.990	-0.420	28.049	4.613	0.157
850.0	-0.445	34.904	1460.8	28.051	28.965	-0.478	28.053	4.097	0.159
900.0	-0.482	34.905	1461.5	28.054	28.956	-0.518	28.056	3.661	0.161
950.0	-0.519	34.906	1462.1	28.056	28.947	-0.557	28.058	3.261	0.163
1000.0	-0.557	34.908	1462.8	28.060	28.938	-0.597	28.062	2.740	0.165



STA. 010 72-27.8N 011-19.0W 08/09/90 22.1 HRS GMT, 727 RECORDS  
WIND KNOTS/DIR 013/035, AIR TEMP. 3.9° C, DEW PT 1.1°C, DEPTH 775 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	1.857	29.945	1450.8	23.932	26.606	1.857	23.933	396.453	0.004
3.5	1.718	29.967	1450.3	23.959	26.519	1.718	23.960	393.877	0.014
5.0	1.832	29.949	1450.8	23.938	26.592	1.831	23.938	395.920	0.020
7.1	2.087	30.183	1452.2	24.108	26.978	2.087	24.108	379.706	0.028
9.0	3.797	31.350	1461.2	24.902	29.304	3.797	24.903	304.067	0.035
11.0	3.025	31.435	1458.0	25.038	28.750	3.024	25.039	291.123	0.041
13.0	0.685	32.072	1448.5	25.708	27.374	0.685	25.709	227.325	0.046
15.0	0.015	32.665	1446.3	26.220	27.289	0.014	26.221	178.655	0.050
17.1	-0.447	33.101	1444.8	26.593	27.242	-0.448	26.593	143.314	0.053
19.0	-0.572	33.247	1444.4	26.716	27.250	-0.573	26.716	131.596	0.056
21.1	-0.658	33.386	1444.2	26.832	27.284	-0.658	26.832	120.604	0.058
23.1	-0.805	33.536	1443.8	26.959	27.275	-0.805	26.959	108.541	0.061
25.0	-0.863	33.596	1443.6	27.010	27.273	-0.864	27.011	103.656	0.063
27.0	-0.923	33.815	1443.6	27.190	27.386	-0.924	27.190	86.634	0.065
29.0	-0.890	33.908	1444.0	27.264	27.482	-0.891	27.265	79.579	0.066
31.0	-0.885	33.940	1444.1	27.290	27.511	-0.886	27.290	77.145	0.068
35.0	-0.810	34.059	1444.6	27.383	27.663	-0.811	27.384	68.305	0.071
40.0	-0.502	34.266	1446.4	27.538	28.075	-0.504	27.538	53.701	0.074
45.0	-0.019	34.444	1449.0	27.658	28.619	-0.020	27.659	42.335	0.076
50.0	0.244	34.541	1450.4	27.722	28.918	0.242	27.722	36.360	0.078
60.1	0.722	34.649	1452.9	27.781	29.415	0.720	27.781	30.850	0.081
70.1	1.264	34.775	1455.6	27.846	29.984	1.261	27.846	24.823	0.084
80.0	1.413	34.814	1456.5	27.867	30.149	1.409	27.867	22.925	0.087
90.0	1.554	34.853	1457.4	27.888	30.308	1.550	27.889	20.958	0.089
100.1	1.526	34.876	1457.4	27.908	30.305	1.521	27.909	19.077	0.091
110.0	1.728	34.914	1458.5	27.924	30.517	1.722	27.925	17.679	0.093
120.1	1.767	34.926	1458.9	27.930	30.564	1.761	27.931	17.167	0.094
130.1	1.643	34.925	1458.5	27.939	30.460	1.637	27.940	16.347	0.096
140.1	1.663	34.939	1458.8	27.949	30.493	1.656	27.950	15.467	0.098
150.0	1.567	34.929	1458.5	27.948	30.406	1.559	27.949	15.530	0.099
160.0	1.345	34.920	1457.7	27.957	30.210	1.338	27.958	14.631	0.101
170.0	1.191	34.911	1457.1	27.960	30.074	1.183	27.961	14.269	0.102
180.0	1.107	34.911	1456.9	27.967	30.005	1.099	27.968	13.672	0.103
190.0	1.107	34.916	1457.1	27.970	30.013	1.098	27.971	13.366	0.105
200.0	1.042	34.913	1457.0	27.972	29.959	1.033	27.973	13.165	0.106
220.0	0.840	34.905	1456.4	27.979	29.787	0.830	27.980	12.451	0.109
240.1	0.578	34.897	1455.5	27.989	29.564	0.568	27.991	11.345	0.111
260.0	0.540	34.897	1455.7	27.992	29.540	0.529	27.993	11.111	0.113
280.1	0.485	34.897	1455.7	27.995	29.502	0.473	27.996	10.808	0.115
300.0	0.445	34.904	1455.9	28.003	29.482	0.433	28.004	10.060	0.118
320.1	0.389	34.904	1456.0	28.006	29.442	0.376	28.007	9.724	0.120
340.0	0.297	34.901	1455.9	28.009	29.370	0.283	28.011	9.358	0.121
360.0	0.231	34.900	1455.9	28.012	29.322	0.217	28.014	9.023	0.123
380.0	0.154	34.898	1455.9	28.015	29.262	0.138	28.016	8.719	0.125
400.0	0.094	34.897	1455.9	28.018	29.220	0.077	28.019	8.355	0.127
450.0	-0.042	34.894	1456.1	28.022	29.123	-0.060	28.024	7.771	0.131
500.1	-0.178	34.890	1456.3	28.026	29.026	-0.197	28.027	7.231	0.135
550.0	-0.280	34.892	1456.6	28.034	28.963	-0.301	28.035	6.345	0.138
600.1	-0.276	34.898	1457.5	28.038	28.993	-0.300	28.039	5.914	0.141
650.0	-0.340	34.899	1458.0	28.042	28.962	-0.365	28.044	5.361	0.144
700.0	-0.442	34.897	1458.4	28.045	28.895	-0.469	28.047	4.833	0.146
727.0	-0.471	34.898	1458.7	28.047	28.883	-0.499	28.049	4.542	0.148



STA. 011 73-45.1N 007-17.4W 08/10/90 23.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 005/020, AIR TEMP. 2.8° C, DEW PT 2.8°C, DEPTH 2576 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	4.679	30.995	1464.3	24.534	29.712	4.679	24.535	339.071	0.003
3.1	4.674	30.990	1464.3	24.531	29.705	4.674	24.532	339.371	0.011
5.1	4.676	30.993	1464.3	24.533	29.710	4.676	24.534	339.183	0.017
7.0	4.672	31.002	1464.4	24.541	29.716	4.672	24.541	338.505	0.024
9.1	4.615	31.217	1464.4	24.717	29.856	4.614	24.718	321.714	0.031
11.0	4.578	32.861	1466.4	26.025	31.244	4.577	26.025	197.360	0.036
13.0	3.946	34.048	1465.3	27.034	31.707	3.945	27.035	101.597	0.038
15.0	3.539	34.223	1463.9	27.214	31.498	3.538	27.215	84.566	0.040
17.0	3.084	34.277	1462.1	27.300	31.146	3.083	27.301	76.397	0.042
19.0	2.419	34.300	1459.3	27.377	30.587	2.418	27.377	69.136	0.043
21.1	1.424	34.301	1454.9	27.454	29.730	1.423	27.455	61.728	0.045
23.1	0.860	34.411	1452.6	27.581	29.333	0.859	27.581	49.740	0.046
25.2	0.424	34.395	1450.6	27.594	28.949	0.424	27.594	48.476	0.047
27.1	0.095	34.449	1449.2	27.656	28.711	0.094	27.656	42.569	0.048
29.0	0.000	34.510	1448.9	27.710	28.678	-0.001	27.711	37.408	0.049
31.0	0.074	34.563	1449.4	27.749	28.781	0.073	27.750	33.738	0.049
35.0	0.119	34.603	1449.7	27.779	28.851	0.117	27.779	30.944	0.050
40.0	-0.373	34.671	1447.6	27.859	28.486	-0.374	27.860	23.280	0.052
45.0	-0.603	34.702	1446.6	27.895	28.316	-0.604	27.896	19.849	0.053
50.0	-0.847	34.738	1445.6	27.934	28.137	-0.849	27.935	16.109	0.054
60.1	-1.060	34.777	1444.8	27.975	27.991	-1.062	27.975	12.193	0.055
70.0	-1.169	34.796	1444.5	27.994	27.916	-1.171	27.994	10.348	0.056
80.0	-1.263	34.807	1444.2	28.006	27.850	-1.265	28.007	9.129	0.057
90.0	-1.236	34.823	1444.6	28.018	27.889	-1.239	28.019	7.942	0.058
100.1	-0.702	34.884	1447.3	28.047	28.392	-0.705	28.047	5.405	0.059
110.0	-0.654	34.864	1447.7	28.028	28.422	-0.657	28.029	7.150	0.060
120.0	-0.677	34.857	1447.7	28.023	28.402	-0.681	28.024	7.547	0.060
130.1	-0.584	34.871	1448.3	28.031	28.497	-0.588	28.032	6.855	0.061
140.0	-0.731	34.865	1447.8	28.032	28.371	-0.736	28.033	6.679	0.062
150.0	-0.746	34.865	1447.9	28.033	28.363	-0.751	28.034	6.529	0.062
160.0	-0.815	34.857	1447.7	28.029	28.303	-0.820	28.030	6.856	0.063
170.1	-1.019	34.850	1446.9	28.032	28.130	-1.023	28.033	6.474	0.064
180.0	-1.057	34.850	1446.9	28.034	28.102	-1.063	28.035	6.233	0.064
190.0	-1.240	34.842	1446.2	28.034	27.946	-1.245	28.035	6.080	0.065
200.1	-1.267	34.842	1446.2	28.035	27.928	-1.272	28.036	5.945	0.065
220.0	-1.284	34.842	1446.5	28.035	27.923	-1.290	28.036	5.832	0.067
240.0	-1.233	34.846	1447.0	28.037	27.978	-1.240	28.038	5.615	0.068
260.0	-1.217	34.850	1447.4	28.040	28.003	-1.224	28.040	5.325	0.069
280.0	-1.133	34.857	1448.2	28.042	28.088	-1.141	28.043	5.111	0.070
300.1	-1.075	34.857	1448.8	28.040	28.147	-1.084	28.041	5.249	0.071
320.0	-0.994	34.868	1449.5	28.046	28.233	-1.003	28.046	4.771	0.072
340.0	-0.964	34.870	1450.0	28.047	28.269	-0.975	28.047	4.646	0.073
360.0	-0.947	34.872	1450.4	28.047	28.294	-0.958	28.048	4.520	0.074
380.0	-0.912	34.877	1450.9	28.050	28.336	-0.924	28.051	4.306	0.075
400.0	-0.902	34.877	1451.3	28.050	28.354	-0.915	28.051	4.262	0.076
450.0	-0.934	34.876	1451.9	28.050	28.349	-0.949	28.051	4.048	0.078
500.0	-0.943	34.878	1452.7	28.052	28.366	-0.959	28.053	3.737	0.080
550.0	-0.966	34.878	1453.4	28.053	28.368	-0.984	28.054	3.465	0.081
600.1	-0.895	34.886	1454.6	28.057	28.457	-0.915	28.058	3.097	0.083
650.1	-0.935	34.884	1455.2	28.057	28.444	-0.957	28.058	2.892	0.085
700.0	-0.929	34.886	1456.1	28.058	28.473	-0.953	28.059	2.649	0.086
750.0	-0.952	34.886	1456.8	28.059	28.476	-0.977	28.060	2.400	0.087
800.1	-0.979	34.886	1457.5	28.060	28.475	-1.007	28.062	2.077	0.088
850.0	-0.993	34.887	1458.2	28.061	28.486	-1.023	28.063	1.802	0.089
900.1	-1.024	34.886	1458.9	28.062	28.481	-1.056	28.064	1.520	0.090
950.0	-1.038	34.887	1459.7	28.063	28.491	-1.072	28.064	1.265	0.091
1000.0	-1.056	34.887	1460.4	28.064	28.498	-1.092	28.066	0.977	0.091

STA. 012 74- 2.5N 006-12.5N 08/11/90 3.0 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 003/090, AIR TEMP. 2.8° C, DEW PT 2.2°C, DEPTH 3450 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	4.894	31.691	1466.0	25.064	30.494	4.894	25.065	288.635	0.003
3.7	4.902	31.690	1466.1	25.062	30.501	4.902	25.063	288.808	0.011
5.1	4.883	31.741	1466.1	25.104	30.530	4.883	25.105	284.844	0.015
7.1	4.750	32.078	1466.0	25.386	30.712	4.749	25.386	258.060	0.020
9.0	4.313	32.832	1465.2	26.030	30.992	4.312	26.030	196.871	0.025
11.0	2.048	33.671	1456.7	26.903	29.759	2.048	26.903	114.017	0.028
13.0	1.505	33.857	1454.6	27.092	29.446	1.504	27.092	96.077	0.030
15.0	1.059	34.107	1452.9	27.323	29.264	1.058	27.324	74.111	0.031
17.1	0.683	34.301	1451.5	27.503	29.094	0.682	27.503	57.098	0.033
19.0	0.634	34.384	1451.5	27.573	29.117	0.633	27.573	50.486	0.034
21.0	0.376	34.447	1450.4	27.639	28.946	0.375	27.639	44.221	0.035
23.0	0.237	34.509	1449.9	27.697	28.875	0.236	27.697	38.726	0.036
25.0	0.081	34.530	1449.2	27.722	28.759	0.080	27.722	36.345	0.036
27.0	-0.220	34.587	1448.0	27.783	28.547	-0.221	27.784	30.483	0.037
29.0	-0.265	34.644	1447.9	27.832	28.552	-0.266	27.833	25.877	0.038
31.0	-0.408	34.652	1447.2	27.845	28.438	-0.409	27.846	24.611	0.038
35.0	-0.299	34.720	1447.9	27.895	28.583	-0.300	27.895	19.915	0.039
40.0	-0.204	34.756	1448.5	27.920	28.693	-0.206	27.920	17.592	0.040
45.0	-0.379	34.788	1447.8	27.954	28.570	-0.381	27.954	14.328	0.041
50.0	-0.266	34.800	1448.4	27.958	28.678	-0.267	27.959	13.913	0.041
60.0	-0.294	34.829	1448.5	27.983	28.681	-0.296	27.984	11.554	0.043
70.1	-0.172	34.844	1449.2	27.989	28.800	-0.175	27.989	11.042	0.044
80.1	-0.096	34.858	1449.8	27.996	28.880	-0.099	27.997	10.342	0.045
90.0	-0.267	34.851	1449.1	28.000	28.734	-0.270	28.000	9.956	0.046
100.0	-0.190	34.868	1449.7	28.009	28.816	-0.194	28.010	9.099	0.047
110.1	-0.105	34.873	1450.2	28.009	28.898	-0.109	28.010	9.098	0.048
120.0	-0.100	34.880	1450.4	28.014	28.912	-0.104	28.015	8.600	0.049
130.1	-0.281	34.868	1449.7	28.014	28.753	-0.285	28.014	8.602	0.050
140.0	-0.274	34.879	1449.9	28.022	28.771	-0.279	28.023	7.774	0.050
150.0	-0.282	34.876	1450.1	28.021	28.767	-0.288	28.021	7.925	0.051
160.0	-0.316	34.876	1450.1	28.022	28.743	-0.322	28.023	7.732	0.052
170.0	-0.355	34.875	1450.1	28.023	28.713	-0.361	28.024	7.664	0.053
180.1	-0.390	34.876	1450.1	28.026	28.688	-0.397	28.026	7.363	0.053
190.0	-0.393	34.877	1450.2	28.027	28.692	-0.399	28.028	7.239	0.054
200.0	-0.389	34.879	1450.4	28.028	28.701	-0.395	28.029	7.121	0.055
220.0	-0.500	34.876	1450.2	28.031	28.613	-0.507	28.032	6.744	0.056
240.0	-0.524	34.877	1450.4	28.033	28.603	-0.532	28.034	6.524	0.058
260.0	-0.748	34.867	1449.7	28.035	28.414	-0.756	28.036	6.131	0.059
280.0	-0.997	34.844	1448.8	28.026	28.195	-1.005	28.027	6.703	0.060
300.0	-1.248	34.841	1447.9	28.033	27.989	-1.256	28.034	5.754	0.061
320.0	-1.284	34.842	1448.1	28.036	27.969	-1.292	28.037	5.413	0.062
340.2	-1.213	34.848	1448.8	28.038	28.042	-1.223	28.039	5.189	0.063
360.0	-0.982	34.865	1450.2	28.043	28.260	-0.993	28.044	4.898	0.064
380.0	-0.915	34.869	1450.9	28.044	28.328	-0.927	28.045	4.855	0.065
400.2	-0.910	34.873	1451.2	28.046	28.344	-0.923	28.047	4.563	0.066
450.1	-0.868	34.877	1452.2	28.048	28.406	-0.882	28.049	4.309	0.068
500.0	-0.910	34.877	1452.9	28.049	28.392	-0.926	28.051	4.002	0.071
550.1	-0.892	34.880	1453.8	28.051	28.433	-0.910	28.052	3.754	0.072
600.0	-0.859	34.884	1454.7	28.053	28.486	-0.879	28.055	3.473	0.074
650.0	-0.882	34.884	1455.5	28.055	28.489	-0.905	28.056	3.189	0.076
700.0	-0.903	34.885	1456.2	28.056	28.494	-0.927	28.057	2.895	0.077
750.3	-0.913	34.887	1457.0	28.058	28.509	-0.939	28.059	2.585	0.079
800.0	-0.927	34.889	1457.7	28.060	28.521	-0.955	28.062	2.170	0.080
850.1	-0.965	34.887	1458.4	28.060	28.510	-0.995	28.062	1.994	0.081
900.0	-0.961	34.889	1459.2	28.061	28.536	-0.993	28.063	1.757	0.082
950.0	-0.985	34.888	1459.9	28.062	28.538	-1.019	28.064	1.477	0.083
1000.0	-0.981	34.893	1460.8	28.066	28.566	-1.018	28.068	1.016	0.083



STA. 013 74-21.1N 005- 3.9W 08/11/90 6.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 002/155, AIR TEMP. 3.9° C, DEW PT 1.1°C, DEPTH 3525 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	4.863	31.790	1466.0	25.146	30.554	4.863	25.146	280.885	0.003
3.4	4.795	31.814	1465.8	25.171	30.519	4.795	25.172	278.437	0.010
5.0	4.761	31.836	1465.7	25.192	30.511	4.761	25.193	276.446	0.014
7.0	4.482	32.039	1464.9	25.383	30.456	4.482	25.384	258.319	0.019
9.0	1.033	34.123	1452.8	27.338	29.251	1.033	27.338	72.755	0.023
11.0	0.855	34.334	1452.3	27.519	29.263	0.855	27.519	55.615	0.024
13.1	0.997	34.502	1453.2	27.645	29.515	0.996	27.645	43.681	0.025
15.0	1.172	34.603	1454.1	27.714	29.746	1.172	27.715	37.102	0.026
17.1	1.374	34.662	1455.1	27.748	29.968	1.373	27.748	33.961	0.026
19.0	1.484	34.721	1455.7	27.787	30.111	1.484	27.788	30.215	0.027
21.0	1.552	34.739	1456.1	27.796	30.183	1.551	27.797	29.391	0.028
23.0	1.617	34.766	1456.4	27.813	30.263	1.616	27.814	27.763	0.028
25.1	1.737	34.796	1457.0	27.829	30.392	1.735	27.829	26.343	0.029
27.0	1.797	34.811	1457.3	27.836	30.457	1.795	27.836	25.680	0.029
29.0	1.829	34.828	1457.5	27.847	30.500	1.828	27.848	24.609	0.030
31.0	1.865	34.842	1457.8	27.856	30.543	1.863	27.856	23.809	0.030
35.0	1.942	34.870	1458.2	27.872	30.634	1.940	27.873	22.291	0.031
40.0	2.008	34.893	1458.6	27.885	30.713	2.006	27.886	21.076	0.032
45.0	2.043	34.911	1458.9	27.897	30.760	2.041	27.897	20.037	0.033
50.1	2.058	34.930	1459.0	27.910	30.790	2.055	27.911	18.756	0.034
60.0	2.060	34.947	1459.2	27.924	30.810	2.057	27.924	17.550	0.036
70.0	1.972	34.947	1459.0	27.931	30.738	1.968	27.932	16.861	0.038
80.0	1.885	34.947	1458.8	27.938	30.666	1.881	27.939	16.280	0.039
90.0	1.819	34.952	1458.7	27.947	30.617	1.814	27.948	15.471	0.041
100.0	1.768	34.950	1458.6	27.950	30.575	1.763	27.950	15.245	0.043
110.0	1.729	34.951	1458.6	27.954	30.547	1.724	27.954	14.896	0.044
120.0	1.589	34.943	1458.1	27.958	30.423	1.583	27.959	14.498	0.046
130.0	1.491	34.941	1457.9	27.963	30.340	1.485	27.964	14.002	0.047
140.0	1.325	34.931	1457.3	27.967	30.191	1.318	27.968	13.632	0.048
150.1	1.144	34.922	1456.6	27.972	30.032	1.137	27.973	13.072	0.050
160.1	0.932	34.911	1455.8	27.978	29.844	0.925	27.979	12.469	0.051
170.0	0.781	34.905	1455.3	27.983	29.713	0.773	27.984	11.935	0.052
180.0	0.706	34.905	1455.1	27.988	29.653	0.698	27.989	11.487	0.053
190.0	0.616	34.901	1454.9	27.990	29.576	0.608	27.991	11.255	0.055
200.0	0.561	34.900	1454.8	27.993	29.533	0.553	27.994	10.959	0.056
220.0	0.417	34.901	1454.4	28.003	29.419	0.408	28.004	9.969	0.058
240.0	0.257	34.895	1454.0	28.007	29.285	0.247	28.008	9.496	0.060
260.0	0.158	34.894	1453.9	28.011	29.208	0.148	28.012	9.004	0.061
280.0	0.020	34.890	1453.6	28.016	29.096	0.009	28.017	8.468	0.063
300.0	-0.070	34.888	1453.5	28.019	29.026	-0.081	28.020	8.112	0.065
320.0	-0.193	34.883	1453.3	28.021	28.926	-0.205	28.022	7.782	0.066
340.1	-0.248	34.885	1453.3	28.026	28.890	-0.261	28.027	7.307	0.068
360.0	-0.321	34.883	1453.3	28.028	28.836	-0.334	28.029	7.015	0.069
380.0	-0.367	34.881	1453.4	28.029	28.804	-0.380	28.030	6.855	0.071
400.0	-0.496	34.877	1453.2	28.031	28.699	-0.510	28.032	6.450	0.072
450.0	-1.070	34.846	1451.2	28.031	28.212	-1.083	28.032	5.660	0.075
500.0	-1.020	34.858	1452.3	28.039	28.285	-1.036	28.040	4.860	0.078
550.0	-1.050	34.860	1453.0	28.042	28.284	-1.068	28.043	4.374	0.080
600.0	-0.919	34.873	1454.5	28.047	28.427	-0.939	28.048	3.998	0.082
650.0	-0.907	34.876	1455.3	28.049	28.461	-0.930	28.050	3.665	0.084
700.0	-0.871	34.881	1456.3	28.052	28.518	-0.896	28.053	3.351	0.086
750.0	-0.915	34.880	1456.9	28.052	28.502	-0.941	28.054	3.106	0.087
800.0	-1.010	34.874	1457.3	28.052	28.440	-1.037	28.053	2.794	0.089
850.0	-0.972	34.880	1458.3	28.055	28.498	-1.002	28.056	2.455	0.090
900.0	-0.890	34.889	1459.6	28.059	28.597	-0.922	28.060	2.166	0.091
950.0	-0.903	34.890	1460.3	28.060	28.608	-0.938	28.062	1.891	0.092
1000.0	-0.919	34.891	1461.1	28.061	28.617	-0.956	28.063	1.585	0.093

STA. 014S 74-41.4N 003-51.0W 08/11/90 11.0 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 002/050, AIR TEMP. 5.0° C, DEW PT 4.4°C, DEPTH 3650 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	5.101	32.297	1467.7	25.521	31.195	5.101	25.522	245.158	0.002
3.4	5.094	32.298	1467.7	25.523	31.191	5.094	25.523	245.030	0.008
5.0	5.094	32.301	1467.7	25.525	31.195	5.094	25.526	244.814	0.012
7.0	5.076	32.307	1467.7	25.532	31.186	5.075	25.533	244.138	0.017
9.0	5.085	32.335	1467.8	25.553	31.219	5.084	25.554	242.153	0.022
11.0	4.977	32.395	1467.4	25.613	31.181	4.976	25.613	236.513	0.027
13.0	4.784	32.467	1466.8	25.691	31.081	4.783	25.691	229.129	0.031
15.0	3.788	32.766	1463.1	26.029	30.494	3.787	26.030	196.932	0.036
17.0	1.989	33.481	1456.3	26.755	29.561	1.989	26.756	127.983	0.039
19.0	0.785	33.678	1451.2	26.995	28.701	0.784	26.996	105.196	0.041
21.0	0.473	33.933	1450.2	27.219	28.636	0.472	27.220	83.968	0.043
23.0	0.463	34.081	1450.4	27.338	28.741	0.462	27.339	72.657	0.045
25.0	0.352	34.174	1450.0	27.420	28.720	0.352	27.421	64.897	0.046
27.0	0.234	34.257	1449.6	27.493	28.683	0.233	27.494	57.964	0.047
29.0	0.152	34.368	1449.4	27.587	28.699	0.151	27.588	49.088	0.048
31.0	0.255	34.473	1450.1	27.667	28.868	0.254	27.667	41.543	0.049
35.1	0.471	34.585	1451.3	27.744	29.138	0.470	27.745	34.263	0.051
40.0	0.680	34.681	1452.4	27.809	29.394	0.679	27.810	28.134	0.052
45.1	0.121	34.691	1450.0	27.850	28.925	0.120	27.851	24.210	0.054
50.0	0.066	34.732	1449.9	27.886	28.911	0.065	27.886	20.820	0.055
60.0	0.675	34.804	1452.9	27.908	29.493	0.673	27.909	18.772	0.057
70.0	0.517	34.857	1452.4	27.961	29.402	0.515	27.961	13.809	0.058
80.0	0.516	34.857	1452.6	27.961	29.406	0.513	27.961	13.817	0.060
90.0	0.357	34.863	1452.0	27.975	29.278	0.353	27.976	12.407	0.061
100.0	0.520	34.886	1452.9	27.984	29.441	0.516	27.985	11.618	0.062
110.1	0.312	34.870	1452.1	27.983	29.254	0.308	27.984	11.651	0.063
120.1	0.300	34.873	1452.2	27.987	29.251	0.296	27.988	11.331	0.064
130.0	0.195	34.876	1451.9	27.995	29.167	0.190	27.996	10.500	0.065
140.0	0.141	34.870	1451.8	27.993	29.120	0.135	27.994	10.689	0.066
150.1	0.123	34.884	1451.9	28.005	29.120	0.117	28.006	9.547	0.067
160.0	0.012	34.878	1451.6	28.007	29.025	0.006	28.008	9.350	0.068
170.0	0.040	34.871	1451.9	27.999	29.048	0.033	28.000	10.070	0.069
180.0	-0.157	34.868	1451.1	28.008	28.882	-0.163	28.009	9.157	0.070
190.0	-0.292	34.862	1450.7	28.010	28.767	-0.298	28.010	8.918	0.071
200.0	-0.231	34.873	1451.1	28.015	28.831	-0.238	28.016	8.416	0.072
220.0	-0.339	34.872	1450.9	28.020	28.748	-0.347	28.021	7.862	0.074
240.0	-0.438	34.868	1450.8	28.022	28.669	-0.447	28.022	7.639	0.075
260.0	-0.326	34.875	1451.7	28.022	28.779	-0.335	28.023	7.674	0.077
280.1	-0.341	34.883	1451.9	28.029	28.782	-0.351	28.030	7.006	0.078
300.0	-0.479	34.876	1451.6	28.030	28.668	-0.490	28.031	6.708	0.079
320.0	-0.559	34.872	1451.5	28.031	28.606	-0.569	28.032	6.561	0.081
340.0	-0.656	34.870	1451.4	28.033	28.531	-0.667	28.034	6.185	0.082
360.1	-0.715	34.871	1451.5	28.036	28.490	-0.727	28.037	5.794	0.083
380.0	-0.830	34.867	1451.3	28.038	28.398	-0.843	28.039	5.482	0.084
400.0	-0.833	34.868	1451.6	28.039	28.406	-0.846	28.040	5.353	0.086
450.0	-0.858	34.872	1452.3	28.044	28.410	-0.873	28.045	4.755	0.088
500.0	-0.856	34.875	1453.1	28.046	28.437	-0.872	28.047	4.400	0.090
550.0	-0.830	34.877	1454.1	28.046	28.483	-0.849	28.048	4.297	0.093
600.0	-0.815	34.884	1455.0	28.052	28.524	-0.835	28.053	3.711	0.095
650.1	-0.865	34.880	1455.5	28.050	28.500	-0.888	28.051	3.643	0.096
700.0	-0.815	34.888	1456.6	28.055	28.571	-0.840	28.056	3.179	0.098
750.1	-0.853	34.888	1457.2	28.056	28.561	-0.880	28.058	2.829	0.100
800.0	-0.906	34.886	1457.8	28.057	28.537	-0.934	28.058	2.571	0.101
850.0	-0.937	34.885	1458.5	28.058	28.532	-0.967	28.059	2.269	0.102
900.1	-0.965	34.886	1459.2	28.059	28.530	-0.997	28.061	1.942	0.103
950.0	-0.972	34.887	1460.0	28.060	28.547	-1.006	28.062	1.693	0.104
1000.0	-0.995	34.887	1460.7	28.062	28.550	-1.032	28.064	1.343	0.105



STA. 014D 74-41.8N 003-51.3W 08/11/90 11.1 HRS GMT, 1002 RECORDS  
WIND KNOTS/DIR 002/050, AIR TEMP. 5.0° C, DEW PT 4.4°C, DEPTH 3650 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.990	34.887	1460.7	28.061	28.554	-1.027	28.063	1.402	0.000
1050.1	-1.001	34.887	1461.5	28.062	28.567	-1.040	28.064	1.169	0.001
1100.1	-1.009	34.888	1462.3	28.063	28.582	-1.050	28.065	0.919	0.001
1150.0	-0.996	34.890	1463.2	28.064	28.616	-1.039	28.066	0.742	0.002
1200.1	-1.017	34.889	1463.9	28.064	28.619	-1.063	28.066	0.545	0.002
1250.0	-1.019	34.890	1464.8	28.065	28.640	-1.067	28.067	0.294	0.002
1300.0	-1.037	34.889	1465.5	28.065	28.645	-1.088	28.067	0.101	0.002
1350.1	-1.044	34.890	1466.3	28.065	28.660	-1.097	28.068	-0.138	0.002
1400.0	-1.038	34.890	1467.2	28.066	28.688	-1.093	28.068	-0.270	0.002
1450.2	-1.039	34.891	1468.0	28.066	28.708	-1.097	28.069	-0.454	0.002
1500.1	-1.032	34.892	1468.9	28.067	28.736	-1.093	28.070	-0.632	0.002
1550.0	-1.035	34.892	1469.7	28.067	28.754	-1.099	28.070	-0.822	0.001
1600.1	-1.042	34.892	1470.5	28.067	28.769	-1.108	28.070	-0.965	0.001
1650.0	-1.042	34.892	1471.3	28.067	28.790	-1.111	28.070	-1.131	0.000
1700.0	-1.045	34.892	1472.2	28.067	28.809	-1.117	28.071	-1.306	0.000
1750.1	-1.057	34.891	1472.9	28.067	28.818	-1.132	28.070	-1.475	-0.001
1800.0	-1.058	34.887	1473.8	28.064	28.835	-1.136	28.067	-1.296	-0.002
1850.1	-1.051	34.888	1474.6	28.065	28.862	-1.132	28.068	-1.493	-0.002
1900.0	-1.037	34.891	1475.6	28.066	28.896	-1.121	28.070	-1.675	-0.003
1950.1	-1.039	34.891	1476.4	28.066	28.915	-1.126	28.070	-1.815	-0.004
2000.1	-1.041	34.890	1477.2	28.065	28.933	-1.131	28.069	-1.930	-0.005
2050.1	-1.029	34.892	1478.1	28.067	28.965	-1.123	28.071	-2.105	-0.006
2100.0	-1.029	34.892	1479.0	28.067	28.985	-1.126	28.071	-2.239	-0.007
2150.0	-1.041	34.891	1479.8	28.066	28.994	-1.141	28.071	-2.419	-0.008
2200.0	-1.025	34.892	1480.7	28.067	29.029	-1.129	28.071	-2.494	-0.010
2250.0	-1.022	34.894	1481.5	28.068	29.053	-1.129	28.073	-2.725	-0.011
2300.1	-1.016	34.896	1482.4	28.069	29.079	-1.126	28.074	-2.902	-0.012
2350.0	-1.022	34.896	1483.2	28.069	29.094	-1.135	28.074	-3.080	-0.014
2400.1	-1.012	34.896	1484.1	28.069	29.122	-1.129	28.074	-3.164	-0.015
2450.0	-1.014	34.896	1485.0	28.069	29.140	-1.135	28.074	-3.285	-0.017
2500.1	-1.026	34.893	1485.8	28.068	29.148	-1.150	28.073	-3.345	-0.019
2550.1	-1.026	34.894	1486.6	28.068	29.168	-1.153	28.074	-3.545	-0.020
2600.0	-1.026	34.894	1487.5	28.068	29.187	-1.157	28.073	-3.615	-0.022
2650.1	-1.029	34.894	1488.3	28.068	29.204	-1.164	28.074	-3.811	-0.024
2700.0	-1.030	34.893	1489.2	28.068	29.221	-1.169	28.073	-3.838	-0.026
2750.0	-1.033	34.893	1490.0	28.068	29.239	-1.174	28.074	-4.038	-0.028
2800.0	-1.032	34.894	1490.9	28.068	29.259	-1.178	28.074	-4.204	-0.030
2850.0	-1.034	34.893	1491.7	28.067	29.275	-1.184	28.074	-4.268	-0.032
2900.1	-1.034	34.893	1492.6	28.068	29.295	-1.187	28.074	-4.413	-0.034
2950.0	-1.033	34.893	1493.4	28.067	29.314	-1.190	28.074	-4.517	-0.036
3000.0	-1.034	34.892	1494.3	28.067	29.331	-1.195	28.074	-4.641	-0.039

STA. 015S 75- 0.8N 002-33.9W 08/11/90 16.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 005/090, AIR TEMP. 5.6° C, DEW PT 4.4°C, DEPTH 3700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	5.089	32.548	1467.9	25.722	31.404	5.089	25.722	226.112	0.002
3.0	5.094	32.611	1468.1	25.771	31.465	5.094	25.772	221.418	0.007
5.0	5.097	32.629	1468.1	25.785	31.484	5.097	25.786	220.105	0.011
7.0	5.082	32.639	1468.1	25.794	31.480	5.081	25.795	219.263	0.016
9.0	4.269	33.005	1465.3	26.172	31.102	4.268	26.172	183.405	0.020
11.0	2.302	33.702	1457.8	26.908	30.000	2.301	26.908	113.534	0.023
13.0	1.691	34.003	1455.6	27.195	29.720	1.691	27.196	86.260	0.025
15.0	2.370	34.350	1459.0	27.420	30.582	2.369	27.421	64.970	0.026
17.0	2.979	34.580	1462.0	27.552	31.302	2.978	27.552	52.590	0.027
19.0	2.610	34.527	1460.4	27.542	30.937	2.609	27.543	53.485	0.029
21.0	1.610	34.529	1456.1	27.624	30.069	1.609	27.624	45.709	0.030
23.1	1.279	34.630	1454.8	27.729	29.863	1.278	27.729	35.764	0.030
25.0	0.884	34.660	1453.1	27.779	29.546	0.883	27.780	30.939	0.031
27.0	0.632	34.692	1452.0	27.821	29.355	0.631	27.822	26.980	0.032
29.0	0.333	34.664	1450.6	27.816	29.078	0.332	27.817	27.432	0.032
31.0	0.200	34.713	1450.1	27.863	29.002	0.199	27.863	22.993	0.033
35.0	-0.358	34.716	1447.6	27.895	28.529	-0.360	27.895	19.943	0.033
40.0	-0.657	34.765	1446.4	27.948	28.314	-0.658	27.948	14.870	0.034
45.0	-0.753	34.772	1446.0	27.958	28.241	-0.754	27.959	13.879	0.035
50.1	-0.958	34.770	1445.1	27.965	28.067	-0.960	27.966	13.160	0.036
60.1	-1.267	34.783	1443.9	27.987	27.820	-1.268	27.987	11.036	0.037
70.0	-1.115	34.812	1444.8	28.005	27.974	-1.117	28.006	9.300	0.038
80.1	-1.401	34.797	1443.6	28.003	27.726	-1.403	28.004	9.394	0.039
90.1	-1.402	34.806	1443.7	28.011	27.737	-1.404	28.011	8.643	0.040
100.0	-1.389	34.812	1444.0	28.015	27.757	-1.392	28.016	8.177	0.041
110.0	-1.462	34.812	1443.8	28.018	27.700	-1.465	28.018	7.852	0.041
120.0	-1.518	34.808	1443.7	28.016	27.655	-1.521	28.017	7.927	0.042
130.0	-1.374	34.826	1444.6	28.026	27.794	-1.377	28.027	7.029	0.043
140.1	-1.324	34.828	1445.0	28.026	27.841	-1.328	28.026	7.044	0.044
150.0	-1.371	34.827	1444.9	28.027	27.806	-1.375	28.028	6.856	0.044
160.0	-1.334	34.831	1445.2	28.029	27.845	-1.338	28.029	6.675	0.045
170.1	-1.336	34.833	1445.4	28.030	27.849	-1.341	28.031	6.486	0.046
180.1	-1.279	34.835	1445.8	28.030	27.904	-1.284	28.031	6.495	0.046
190.0	-1.112	34.850	1446.8	28.036	28.060	-1.117	28.036	5.999	0.047
200.1	-1.036	34.855	1447.3	28.037	28.132	-1.042	28.038	5.911	0.048
220.1	-0.980	34.861	1447.9	28.040	28.194	-0.986	28.041	5.605	0.049
240.0	-0.870	34.870	1448.8	28.042	28.302	-0.878	28.043	5.423	0.050
260.0	-0.836	34.876	1449.3	28.046	28.345	-0.844	28.046	5.048	0.051
280.1	-0.933	34.869	1449.1	28.044	28.267	-0.942	28.045	5.080	0.052
300.0	-0.895	34.874	1449.7	28.046	28.312	-0.904	28.047	4.828	0.053
320.0	-0.879	34.876	1450.1	28.048	28.336	-0.889	28.049	4.653	0.054
340.0	-0.888	34.877	1450.3	28.049	28.339	-0.898	28.049	4.538	0.055
360.0	-0.876	34.878	1450.7	28.049	28.359	-0.887	28.050	4.425	0.056
380.0	-0.806	34.881	1451.4	28.048	28.429	-0.819	28.049	4.530	0.056
400.0	-0.845	34.883	1451.5	28.052	28.406	-0.858	28.053	4.148	0.057
450.0	-0.862	34.884	1452.3	28.053	28.416	-0.876	28.054	3.862	0.059
500.0	-0.881	34.886	1453.0	28.056	28.424	-0.898	28.057	3.437	0.061
550.1	-0.913	34.885	1453.7	28.056	28.418	-0.931	28.057	3.231	0.063
600.1	-0.934	34.887	1454.4	28.058	28.424	-0.954	28.060	2.860	0.064
650.1	-0.963	34.887	1455.1	28.060	28.422	-0.985	28.061	2.555	0.066
700.0	-0.987	34.886	1455.8	28.060	28.424	-1.011	28.062	2.316	0.067
750.1	-1.007	34.886	1456.5	28.061	28.429	-1.033	28.063	2.048	0.068
800.0	-1.027	34.885	1457.2	28.061	28.433	-1.055	28.063	1.859	0.069
850.0	-1.045	34.886	1458.0	28.063	28.441	-1.075	28.064	1.537	0.070
900.0	-1.053	34.887	1458.8	28.063	28.456	-1.085	28.065	1.300	0.071
950.0	-1.068	34.885	1459.5	28.063	28.465	-1.101	28.064	1.193	0.071
1000.0	-1.075	34.886	1460.3	28.063	28.431	-1.111	28.065	0.946	0.072

STA. 015D 75- 0.5N 002-30.9W 08/11/90 17.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 005/030, AIR TEMP. 5.6° C, DEW PT 4.4°C, DEPTH 3700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-1.077	34.887	1460.3	28.064	28.480	-1.113	28.066	0.863	0.000
1050.1	-1.084	34.887	1461.1	28.064	28.496	-1.121	28.066	0.693	0.000
1100.0	-1.085	34.886	1461.9	28.064	28.516	-1.126	28.066	0.570	0.001
1150.1	-1.087	34.887	1462.8	28.065	28.536	-1.130	28.067	0.349	0.001
1200.0	-1.088	34.887	1463.6	28.065	28.558	-1.133	28.067	0.177	0.001
1250.1	-1.087	34.888	1464.4	28.066	28.580	-1.135	28.068	-0.043	0.001
1300.1	-1.084	34.888	1465.3	28.066	28.604	-1.134	28.068	-0.196	0.001
1350.0	-1.083	34.889	1466.1	28.066	28.627	-1.136	28.069	-0.382	0.001
1400.1	-1.081	34.890	1467.0	28.067	28.650	-1.136	28.070	-0.571	0.001
1450.1	-1.079	34.891	1467.8	28.068	28.674	-1.137	28.070	-0.788	0.000
1500.1	-1.077	34.891	1468.6	28.068	28.697	-1.138	28.071	-0.922	0.000
1550.0	-1.075	34.891	1469.5	28.067	28.719	-1.139	28.070	-1.021	-0.001
1600.1	-1.074	34.892	1470.3	28.068	28.742	-1.140	28.071	-1.219	-0.001
1650.1	-1.072	34.892	1471.2	28.068	28.764	-1.141	28.071	-1.367	-0.002
1700.0	-1.070	34.892	1472.0	28.068	28.787	-1.142	28.072	-1.520	-0.003
1750.0	-1.068	34.893	1472.9	28.069	28.810	-1.143	28.072	-1.709	-0.003
1800.0	-1.067	34.893	1473.7	28.069	28.832	-1.144	28.073	-1.860	-0.004
1850.1	-1.064	34.894	1474.6	28.069	28.855	-1.145	28.073	-1.989	-0.005
1900.0	-1.062	34.894	1475.4	28.070	28.877	-1.146	28.073	-2.144	-0.006
1950.0	-1.061	34.894	1476.3	28.069	28.899	-1.147	28.073	-2.234	-0.007
2000.1	-1.058	34.895	1477.1	28.070	28.922	-1.148	28.074	-2.455	-0.009
2050.1	-1.056	34.896	1478.0	28.071	28.945	-1.149	28.075	-2.616	-0.010
2100.0	-1.054	34.896	1478.9	28.071	28.967	-1.150	28.075	-2.784	-0.011
2150.0	-1.053	34.896	1479.7	28.071	28.988	-1.152	28.075	-2.891	-0.013
2200.1	-1.051	34.896	1480.6	28.071	29.010	-1.154	28.076	-3.032	-0.014
2250.0	-1.050	34.897	1481.4	28.071	29.031	-1.156	28.076	-3.181	-0.016
2300.1	-1.049	34.897	1482.3	28.072	29.052	-1.159	28.076	-3.336	-0.017
2350.0	-1.049	34.898	1483.1	28.072	29.072	-1.162	28.077	-3.507	-0.019
2400.1	-1.049	34.898	1484.0	28.072	29.092	-1.166	28.077	-3.625	-0.021
2450.0	-1.049	34.897	1484.8	28.072	29.111	-1.169	28.077	-3.743	-0.023
2500.0	-1.049	34.897	1485.7	28.072	29.131	-1.173	28.077	-3.860	-0.024
2550.1	-1.050	34.897	1486.5	28.071	29.149	-1.177	28.077	-3.971	-0.026
2600.0	-1.052	34.897	1487.4	28.071	29.167	-1.183	28.077	-4.125	-0.028
2650.1	-1.051	34.896	1488.2	28.071	29.186	-1.185	28.076	-4.183	-0.031
2700.1	-1.051	34.896	1489.1	28.071	29.206	-1.189	28.077	-4.323	-0.033
2750.0	-1.051	34.896	1489.9	28.071	29.225	-1.193	28.077	-4.487	-0.035
2800.0	-1.051	34.896	1490.8	28.071	29.244	-1.197	28.077	-4.613	-0.037
2850.1	-1.051	34.896	1491.6	28.071	29.263	-1.200	28.077	-4.730	-0.039
2900.1	-1.051	34.896	1492.5	28.071	29.282	-1.204	28.077	-4.868	-0.042
2950.0	-1.050	34.896	1493.4	28.071	29.302	-1.207	28.078	-4.981	-0.044
3000.0	-1.049	34.896	1494.2	28.071	29.321	-1.210	28.077	-5.071	-0.047



STA. 016S 74-59.5N 000-44.5W 08/11/90 22.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 010/045, AIR TEMP. 5.6° C, DEW PT 5.6°C, DEPTH 3750 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	5.932	34.115	1473.3	26.862	33.516	5.932	26.862	117.844	0.001
3.0	5.939	34.117	1473.4	26.862	33.525	5.939	26.863	117.830	0.004
5.0	5.934	34.118	1473.4	26.863	33.522	5.933	26.864	117.749	0.006
7.0	5.922	34.115	1473.4	26.863	33.511	5.922	26.864	117.802	0.008
9.0	5.911	34.115	1473.4	26.864	33.501	5.910	26.865	117.736	0.011
11.0	5.887	34.110	1473.3	26.863	33.476	5.886	26.864	117.822	0.013
13.0	5.816	34.132	1473.1	26.889	33.433	5.815	26.890	115.392	0.015
15.0	5.096	34.269	1470.4	27.084	32.912	5.095	27.085	96.919	0.017
17.0	3.055	34.589	1462.3	27.552	31.376	3.054	27.553	52.554	0.019
19.0	2.103	34.591	1458.3	27.635	30.545	2.102	27.636	44.634	0.020
21.1	1.537	34.583	1455.8	27.672	30.048	1.536	27.673	41.098	0.021
23.1	0.921	34.562	1453.1	27.698	29.501	0.920	27.699	38.645	0.021
25.0	0.540	34.647	1451.5	27.790	29.240	0.539	27.791	29.916	0.022
27.0	0.299	34.648	1450.4	27.805	29.035	0.298	27.806	28.454	0.023
29.0	0.041	34.663	1449.3	27.832	28.828	0.040	27.832	25.939	0.023
31.1	-0.320	34.677	1447.7	27.861	28.531	-0.321	27.862	23.103	0.024
35.0	-0.600	34.705	1446.5	27.897	28.316	-0.601	27.897	19.715	0.025
40.1	-0.789	34.747	1445.7	27.939	28.189	-0.790	27.939	15.688	0.025
45.0	-0.976	34.762	1445.0	27.959	28.043	-0.978	27.959	13.776	0.026
50.0	-1.111	34.768	1444.4	27.970	27.937	-1.112	27.970	12.719	0.027
60.0	-1.298	34.793	1443.7	27.996	27.801	-1.300	27.997	10.156	0.028
70.0	-1.438	34.800	1443.2	28.007	27.693	-1.440	28.008	9.037	0.029
80.0	-1.482	34.804	1443.2	28.012	27.664	-1.484	28.012	8.558	0.030
90.1	-1.511	34.807	1443.2	28.015	27.646	-1.513	28.016	8.164	0.031
100.1	-1.541	34.810	1443.3	28.018	27.627	-1.544	28.019	7.814	0.031
110.0	-1.550	34.814	1443.4	28.022	27.627	-1.553	28.023	7.424	0.032
120.0	-1.513	34.817	1443.7	28.023	27.665	-1.516	28.024	7.266	0.033
130.2	-1.536	34.817	1443.8	28.024	27.650	-1.539	28.024	7.183	0.034
140.2	-1.499	34.820	1444.1	28.025	27.688	-1.503	28.026	7.028	0.034
150.0	-1.511	34.821	1444.2	28.026	27.683	-1.515	28.027	6.877	0.035
160.0	-1.464	34.824	1444.6	28.028	27.730	-1.468	28.028	6.712	0.036
170.0	-1.461	34.827	1444.8	28.029	27.740	-1.465	28.030	6.500	0.036
180.0	-1.401	34.831	1445.2	28.031	27.797	-1.406	28.031	6.382	0.037
190.0	-1.368	34.834	1445.6	28.032	27.832	-1.373	28.033	6.213	0.038
200.0	-1.308	34.840	1446.0	28.035	27.892	-1.313	28.036	5.908	0.038
220.0	-1.166	34.850	1447.0	28.038	28.028	-1.172	28.039	5.660	0.039
240.0	-1.080	34.858	1447.8	28.041	28.116	-1.087	28.042	5.332	0.041
260.1	-0.991	34.867	1448.5	28.045	28.207	-0.999	28.045	5.029	0.042
280.0	-0.942	34.870	1449.1	28.045	28.260	-0.950	28.046	4.954	0.043
300.0	-0.933	34.872	1449.5	28.046	28.278	-0.942	28.047	4.797	0.044
320.0	-0.905	34.875	1449.9	28.048	28.314	-0.915	28.049	4.635	0.044
340.1	-0.904	34.876	1450.3	28.048	28.324	-0.915	28.049	4.547	0.045
360.1	-0.892	34.878	1450.7	28.049	28.345	-0.903	28.050	4.397	0.046
380.0	-0.877	34.879	1451.1	28.050	28.368	-0.889	28.051	4.284	0.047
400.0	-0.881	34.880	1451.4	28.051	28.374	-0.894	28.052	4.181	0.048
450.1	-0.872	34.883	1452.2	28.053	28.406	-0.887	28.054	3.872	0.050
500.0	-0.884	34.884	1453.0	28.054	28.420	-0.901	28.056	3.571	0.052
550.0	-0.924	34.884	1453.6	28.056	28.408	-0.942	28.057	3.275	0.054
600.0	-0.935	34.886	1454.4	28.058	28.423	-0.955	28.059	2.922	0.055
650.0	-0.955	34.886	1455.1	28.059	28.428	-0.977	28.060	2.681	0.057
700.1	-0.970	34.886	1455.9	28.060	28.438	-0.994	28.061	2.400	0.058
750.0	-0.998	34.886	1456.6	28.061	28.437	-1.024	28.062	2.100	0.059
800.0	-1.002	34.887	1457.4	28.062	28.456	-1.030	28.063	1.873	0.060
850.0	-1.024	34.886	1458.1	28.062	28.459	-1.053	28.064	1.659	0.061
900.0	-1.037	34.887	1458.9	28.063	28.470	-1.069	28.064	1.420	0.062
950.0	-1.042	34.887	1459.7	28.063	28.488	-1.076	28.065	1.211	0.062
1000.0	-1.047	34.886	1460.5	28.063	28.505	-1.083	28.065	1.099	0.063



STA. 016D 74-59.8N 000-44.3W 08/11/90 23.0 HRS GMT, 1002 RECORDS  
WIND KNOTS/DIR 010/045, AIR TEMP. 5.6° C, DEN PT 5.6°C, DEPTH 3750 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPP m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DY:DTH DYN M
1000.0	-1.049	34.890	1460.5	28.066	28.506	-1.085	28.068	0.813	0.000
1050.1	-1.064	34.888	1461.2	28.065	28.514	-1.102	28.067	0.675	0.000
1100.0	-1.073	34.888	1462.0	28.065	28.528	-1.114	28.067	0.471	0.001
1150.1	-1.080	34.888	1462.8	28.065	28.543	-1.123	28.068	0.307	0.001
1200.0	-1.079	34.889	1463.6	28.066	28.566	-1.124	28.068	0.121	0.001
1250.1	-1.075	34.889	1464.5	28.066	28.592	-1.122	28.068	-0.041	0.001
1300.0	-1.074	34.890	1465.3	28.067	28.615	-1.124	28.069	-0.247	0.001
1350.1	-1.077	34.891	1466.1	28.068	28.633	-1.130	28.070	-0.467	0.001
1400.1	-1.077	34.891	1467.0	28.067	28.654	-1.132	28.070	-0.598	0.000
1450.0	-1.075	34.891	1467.8	28.068	28.678	-1.133	28.070	-0.767	0.000
1500.0	-1.074	34.892	1468.7	28.069	28.700	-1.135	28.071	-0.988	0.000
1550.0	-1.072	34.892	1469.5	28.068	28.723	-1.136	28.071	-1.068	-0.001
1600.1	-1.073	34.893	1470.4	28.069	28.744	-1.139	28.072	-1.306	-0.001
1650.1	-1.071	34.893	1471.2	28.069	28.766	-1.140	28.072	-1.431	-0.002
1700.1	-1.068	34.894	1472.0	28.069	28.790	-1.140	28.073	-1.603	-0.003
1750.0	-1.065	34.894	1472.9	28.070	28.814	-1.140	28.073	-1.761	-0.004
1800.0	-1.065	34.894	1473.7	28.070	28.834	-1.143	28.073	-1.904	-0.005
1850.1	-1.065	34.895	1474.6	28.070	28.855	-1.146	28.074	-2.092	-0.006
1900.0	-1.061	34.895	1475.4	28.070	28.879	-1.145	28.074	-2.202	-0.007
1950.0	-1.061	34.895	1476.3	28.070	28.900	-1.148	28.074	-2.356	-0.008
2000.1	-1.058	34.897	1477.2	28.072	28.924	-1.148	28.076	-2.584	-0.009
2050.0	-1.056	34.896	1478.0	28.071	28.945	-1.149	28.075	-2.632	-0.010
2100.1	-1.054	34.897	1478.9	28.071	28.967	-1.151	28.076	-2.809	-0.012
2150.0	-1.052	34.897	1479.7	28.071	28.989	-1.152	28.076	-2.926	-0.013
2200.1	-1.050	34.897	1480.6	28.072	29.012	-1.153	28.076	-3.083	-0.015
2250.1	-1.049	34.897	1481.4	28.072	29.032	-1.155	28.076	-3.227	-0.016
2300.1	-1.048	34.897	1482.3	28.072	29.054	-1.157	28.076	-3.336	-0.018
2350.0	-1.047	34.898	1483.1	28.072	29.074	-1.160	28.077	-3.508	-0.020
2400.0	-1.046	34.898	1484.0	28.072	29.095	-1.162	28.077	-3.619	-0.021
2450.0	-1.046	34.898	1484.8	28.072	29.114	-1.166	28.077	-3.735	-0.023
2500.1	-1.046	34.898	1485.7	28.072	29.133	-1.170	28.077	-3.865	-0.025
2550.1	-1.047	34.898	1486.5	28.073	29.153	-1.174	28.078	-4.059	-0.027
2600.0	-1.048	34.898	1487.4	28.072	29.171	-1.179	28.077	-4.136	-0.029
2650.4	-1.048	34.897	1488.2	28.071	29.190	-1.183	28.077	-4.221	-0.031
2700.0	-1.049	34.898	1489.1	28.072	29.209	-1.187	28.078	-4.417	-0.033
2750.0	-1.049	34.897	1489.9	28.072	29.228	-1.191	28.078	-4.512	-0.036
2800.0	-1.048	34.897	1490.8	28.072	29.248	-1.194	28.078	-4.651	-0.038
2850.1	-1.048	34.897	1491.7	28.072	29.267	-1.197	28.078	-4.757	-0.040
2900.1	-1.048	34.897	1492.5	28.072	29.286	-1.201	28.078	-4.893	-0.043
2950.0	-1.047	34.897	1493.4	28.071	29.305	-1.204	28.078	-4.986	-0.045
3000.0	-1.046	34.897	1494.2	28.071	29.324	-1.207	28.078	-5.081	-0.048

STA. 017S 74-45.4N 000-23.4W 08/12/90 3.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 022/030, AIR TEMP. 6.1° C, DEW PT 5.6°C, DEPTH 3464 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.832	33.568	1472.2	26.441	32.943	5.832	26.442	157.756	0.003
3.0	5.837	33.568	1472.3	26.441	32.949	5.837	26.441	157.821	0.005
5.0	5.876	33.568	1472.5	26.436	32.984	5.876	26.436	158.314	0.008
7.0	5.828	33.578	1472.3	26.450	32.952	5.828	26.450	157.002	0.011
9.0	5.822	33.581	1472.3	26.453	32.950	5.821	26.454	156.707	0.014
11.1	5.815	33.580	1472.3	26.453	32.943	5.814	26.454	156.723	0.017
13.0	4.851	33.795	1468.8	26.736	32.285	4.851	26.737	129.865	0.020
15.0	2.976	34.395	1461.7	27.404	31.147	2.975	27.404	66.568	0.022
17.0	1.933	34.520	1457.4	27.592	30.340	1.932	27.593	48.693	0.023
19.1	1.103	34.538	1453.8	27.667	29.637	1.102	27.667	41.627	0.024
21.1	0.514	34.581	1451.2	27.739	29.166	0.513	27.739	34.742	0.025
23.0	-0.089	34.641	1448.6	27.821	28.697	-0.090	27.821	26.969	0.026
25.0	-0.274	34.678	1447.8	27.860	28.569	-0.275	27.860	23.238	0.026
27.0	-0.357	34.713	1447.5	27.892	28.525	-0.358	27.893	20.159	0.027
29.0	-0.327	34.723	1447.7	27.899	28.558	-0.328	27.899	19.545	0.027
31.0	-0.297	34.729	1447.9	27.902	28.590	-0.298	27.903	19.215	0.027
35.0	-0.466	34.737	1447.2	27.917	28.454	-0.467	27.917	17.844	0.028
40.0	-0.501	34.751	1447.1	27.930	28.437	-0.502	27.931	16.567	0.029
45.0	-1.061	34.752	1444.6	27.954	27.964	-1.062	27.955	14.212	0.030
50.0	-1.214	34.780	1444.0	27.983	27.859	-1.215	27.984	11.433	0.030
60.0	-1.261	34.790	1443.9	27.992	27.830	-1.263	27.993	10.516	0.032
70.1	-1.414	34.794	1443.4	28.002	27.709	-1.415	28.002	9.563	0.033
80.1	-1.492	34.800	1443.2	28.009	27.652	-1.494	28.009	8.853	0.034
90.0	-1.504	34.806	1443.3	28.014	27.651	-1.506	28.014	8.295	0.034
100.0	-1.515	34.810	1443.4	28.018	27.649	-1.517	28.018	7.890	0.035
110.0	-1.530	34.811	1443.5	28.019	27.642	-1.533	28.020	7.704	0.036
120.0	-1.527	34.814	1443.7	28.022	27.651	-1.530	28.022	7.430	0.037
130.1	-1.521	34.816	1443.8	28.023	27.662	-1.524	28.023	7.294	0.037
140.0	-1.492	34.820	1444.1	28.025	27.694	-1.496	28.025	7.036	0.038
150.1	-1.461	34.820	1444.5	28.024	27.725	-1.465	28.025	7.073	0.039
160.1	-1.446	34.825	1444.7	28.028	27.746	-1.450	28.028	6.719	0.040
170.1	-1.398	34.830	1445.1	28.030	27.795	-1.402	28.030	6.492	0.040
180.1	-1.323	34.838	1445.6	28.034	27.868	-1.328	28.035	6.089	0.041
190.1	-1.257	34.843	1446.1	28.036	27.933	-1.262	28.037	5.912	0.041
200.0	-1.170	34.850	1446.7	28.038	28.016	-1.175	28.038	5.752	0.042
220.0	-1.102	34.858	1447.3	28.042	28.028	-1.109	28.042	5.352	0.043
240.1	-0.944	34.871	1448.4	28.046	28.241	-0.951	28.047	4.980	0.044
260.1	-0.874	34.874	1449.1	28.046	28.311	-0.882	28.046	5.026	0.045
280.0	-0.822	34.879	1449.7	28.048	28.368	-0.831	28.048	4.838	0.046
300.0	-0.800	34.882	1450.1	28.049	28.399	-0.809	28.050	4.665	0.047
320.0	-0.857	34.879	1450.2	28.049	28.357	-0.867	28.050	4.543	0.048
340.0	-0.841	34.881	1450.6	28.050	28.381	-0.852	28.051	4.430	0.049
360.0	-0.838	34.881	1450.9	28.050	28.394	-0.849	28.051	4.378	0.050
380.0	-0.842	34.882	1451.2	28.051	28.400	-0.854	28.052	4.261	0.051
400.0	-0.846	34.882	1451.5	28.051	28.406	-0.858	28.052	4.162	0.052
450.0	-0.838	34.886	1452.4	28.054	28.437	-0.853	28.055	3.840	0.054
500.1	-0.889	34.885	1453.0	28.055	28.416	-0.905	28.056	3.499	0.055
550.1	-0.921	34.885	1453.6	28.057	28.412	-0.939	28.058	3.172	0.057
600.1	-0.951	34.884	1454.3	28.057	28.408	-0.971	28.059	2.940	0.059
650.0	-0.982	34.885	1455.0	28.059	28.405	-1.004	28.061	2.554	0.060
700.0	-1.005	34.885	1455.7	28.060	28.407	-1.029	28.061	2.336	0.061
750.0	-1.021	34.885	1456.5	28.061	28.416	-1.047	28.062	2.082	0.062
800.0	-1.025	34.885	1457.3	28.061	28.435	-1.053	28.063	1.890	0.063
850.1	-1.053	34.885	1457.9	28.062	28.433	-1.083	28.063	1.618	0.064
900.0	-1.059	34.885	1458.7	28.062	28.450	-1.091	28.064	1.423	0.065
950.0	-1.077	34.885	1459.5	28.063	28.456	-1.111	28.064	1.174	0.066
1000.0	-1.079	34.885	1460.3	28.063	28.477	-1.115	28.065	0.984	0.066

STA. 017D 74-45.6N 000-22.7W 08/12/90 4.1 HRS GMT, 998 RECORDS  
WIND KNOTS/DIR 022/030, AIR TEMP. 6.1° C, DEW PT 5.6°C, DEPTH 3464 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1007.0	-1.084	34.887	1460.4	28.064	28.477	-1.120	28.066	0.808	0.000
1050.1	-1.083	34.887	1461.1	28.065	28.497	-1.121	28.067	0.650	0.000
1100.0	-1.087	34.887	1461.9	28.065	28.515	-1.127	28.067	0.509	0.001
1150.1	-1.085	34.888	1462.8	28.065	28.539	-1.128	28.068	0.287	0.001
1200.0	-1.086	34.888	1463.6	28.065	28.560	-1.131	28.068	0.134	0.001
1250.1	-1.087	34.888	1464.4	28.066	28.580	-1.135	28.068	-0.058	0.001
1300.0	-1.085	34.889	1465.3	28.066	28.604	-1.135	28.069	-0.218	0.001
1350.0	-1.083	34.889	1466.1	28.066	28.627	-1.136	28.069	-0.360	0.001
1400.1	-1.081	34.889	1467.0	28.067	28.650	-1.136	28.069	-0.539	0.000
1450.0	-1.077	34.891	1467.8	28.067	28.676	-1.135	28.070	-0.738	0.000
1500.1	-1.078	34.890	1468.6	28.067	28.695	-1.139	28.070	-0.856	0.000
1550.0	-1.076	34.891	1469.5	28.067	28.718	-1.140	28.070	-1.028	-0.001
1600.1	-1.073	34.892	1470.3	28.069	28.743	-1.139	28.072	-1.264	-0.001
1650.0	-1.071	34.893	1471.2	28.069	28.766	-1.140	28.072	-1.409	-0.002
1700.1	-1.070	34.893	1472.0	28.069	28.788	-1.142	28.072	-1.593	-0.003
1750.1	-1.069	34.894	1472.9	28.070	28.810	-1.144	28.073	-1.780	-0.004
1800.0	-1.068	34.895	1473.7	28.071	28.832	-1.146	28.074	-1.982	-0.004
1850.1	-1.066	34.894	1474.6	28.070	28.854	-1.147	28.073	-2.027	-0.005
1900.1	-1.065	34.895	1475.4	28.070	28.876	-1.148	28.074	-2.202	-0.006
1950.1	-1.062	34.895	1476.3	28.070	28.898	-1.149	28.074	-2.318	-0.008
2000.5	-1.058	34.896	1477.2	28.071	28.923	-1.148	28.075	-2.502	-0.009
2050.0	-1.056	34.896	1478.0	28.071	28.945	-1.149	28.075	-2.643	-0.010
2100.0	-1.053	34.896	1478.9	28.071	28.968	-1.150	28.075	-2.776	-0.011
2150.1	-1.051	34.897	1479.7	28.071	28.990	-1.151	28.076	-2.915	-0.013
2200.0	-1.048	34.897	1480.6	28.071	29.013	-1.151	28.076	-3.020	-0.014
2250.1	-1.048	34.897	1481.4	28.071	29.033	-1.155	28.076	-3.160	-0.016
2300.0	-1.047	34.898	1482.3	28.072	29.054	-1.157	28.077	-3.342	-0.018
2350.1	-1.047	34.897	1483.1	28.072	29.073	-1.160	28.076	-3.452	-0.019
2400.1	-1.047	34.898	1484.0	28.072	29.093	-1.164	28.077	-3.614	-0.021
2450.1	-1.047	34.898	1484.8	28.072	29.113	-1.167	28.077	-3.745	-0.023
2500.0	-1.048	34.897	1485.7	28.072	29.132	-1.172	28.077	-3.856	-0.025
2550.0	-1.049	34.897	1486.5	28.071	29.150	-1.176	28.077	-3.956	-0.027
2600.0	-1.050	34.897	1487.4	28.072	29.169	-1.181	28.077	-4.136	-0.029
2650.1	-1.050	34.897	1488.2	28.072	29.188	-1.184	28.077	-4.282	-0.031
2700.0	-1.049	34.897	1489.1	28.071	29.208	-1.187	28.077	-4.339	-0.033
2750.1	-1.050	34.897	1489.9	28.071	29.227	-1.191	28.077	-4.502	-0.035
2800.0	-1.050	34.897	1490.8	28.072	29.246	-1.196	28.078	-4.643	-0.037
2850.1	-1.049	34.897	1491.7	28.071	29.265	-1.198	28.078	-4.744	-0.040
2900.1	-1.049	34.896	1492.5	28.071	29.285	-1.202	28.077	-4.841	-0.042
2950.1	-1.047	34.896	1493.4	28.071	29.305	-1.204	28.077	-4.950	-0.045
3000.0	-1.046	34.897	1494.2	28.071	29.324	-1.207	28.078	-5.081	-0.047



STA. 018S 74-26.5N 001-39.7W 08/12/90 8.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 020/010, AIR TEMP. 6.7° C, DEW PT 4.4°C, DEPTH 3700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.974	33.676	1472.9	26.509	33.164	5.974	26.510	151.319	0.003
3.0	5.973	33.678	1473.0	26.511	33.167	5.973	26.512	151.134	0.005
5.0	5.974	33.680	1473.0	26.513	33.170	5.973	26.514	150.993	0.008
7.1	5.974	33.683	1473.0	26.515	33.173	5.973	26.516	150.819	0.011
9.1	5.972	33.703	1473.1	26.531	33.190	5.971	26.531	149.353	0.014
11.0	5.939	33.763	1473.1	26.583	33.216	5.938	26.583	144.459	0.017
13.1	5.787	33.968	1472.8	26.763	33.263	5.786	26.764	127.337	0.019
15.0	5.011	34.230	1470.0	27.063	32.803	5.010	27.064	98.890	0.022
17.0	4.271	34.253	1467.0	27.163	32.168	4.270	27.164	89.424	0.023
19.0	2.766	34.346	1460.8	27.383	30.926	2.765	27.384	68.508	0.025
21.0	1.628	34.392	1456.0	27.512	29.976	1.627	27.513	56.263	0.026
23.0	1.187	34.525	1454.2	27.650	29.701	1.186	27.651	43.160	0.027
25.0	1.105	34.520	1453.9	27.652	29.628	1.103	27.653	42.973	0.028
27.0	0.597	34.516	1451.6	27.681	29.190	0.596	27.682	40.207	0.029
29.0	0.084	34.504	1449.3	27.701	28.744	0.083	27.702	38.292	0.030
31.0	-0.483	34.554	1446.8	27.770	28.302	-0.484	27.770	31.756	0.030
35.1	-0.680	34.662	1446.1	27.866	28.216	-0.681	27.866	22.645	0.031
40.0	-0.923	34.703	1445.1	27.909	28.043	-0.924	27.910	18.469	0.032
45.0	-1.160	34.737	1444.1	27.946	27.870	-1.161	27.947	14.928	0.033
50.0	-1.151	34.761	1444.2	27.965	27.898	-1.152	27.966	13.147	0.034
60.0	-1.259	34.769	1443.9	27.976	27.817	-1.261	27.976	12.101	0.035
70.0	-1.008	34.803	1445.3	27.993	28.058	-1.010	27.994	10.436	0.036
80.0	-0.878	34.825	1446.1	28.006	28.189	-0.880	28.006	9.247	0.037
90.1	-0.848	34.830	1446.4	28.009	28.223	-0.851	28.010	8.911	0.038
100.0	-0.862	34.844	1446.5	28.021	28.226	-0.865	28.021	7.784	0.039
110.0	-0.993	34.842	1446.1	28.025	28.118	-0.996	28.026	7.315	0.040
120.0	-0.888	34.841	1446.7	28.020	28.211	-0.892	28.020	7.816	0.040
130.0	-1.052	34.828	1446.1	28.016	23.067	-1.056	28.017	8.093	0.041
140.1	-1.201	34.838	1445.6	28.029	27.953	-1.205	28.030	6.746	0.042
150.0	-1.212	34.836	1445.7	28.028	27.947	-1.215	28.028	6.843	0.043
160.1	-1.213	34.837	1445.8	28.029	27.951	-1.218	28.030	6.656	0.043
170.1	-1.204	34.839	1446.0	28.031	27.965	-1.209	28.031	6.503	0.044
180.0	-1.154	34.845	1446.4	28.033	28.017	-1.158	28.034	6.254	0.045
190.0	-1.118	34.847	1446.8	28.033	28.053	-1.123	28.034	6.237	0.045
200.1	-1.130	34.851	1446.9	28.038	28.051	-1.135	28.038	5.780	0.046
220.0	-1.028	34.857	1447.7	28.038	28.150	-1.035	28.039	5.751	0.047
240.0	-0.995	34.861	1448.2	28.041	28.191	-1.002	28.041	5.474	0.048
260.0	-0.936	34.867	1448.8	28.043	28.254	-0.944	28.043	5.270	0.049
280.0	-0.909	34.873	1449.3	28.046	28.290	-0.918	28.047	4.879	0.050
300.0	-0.848	34.876	1449.9	28.047	28.354	-0.857	28.047	4.856	0.051
320.0	-0.848	34.878	1450.2	28.048	28.364	-0.858	28.049	4.706	0.052
340.1	-0.864	34.877	1450.5	28.048	28.359	-0.875	28.049	4.599	0.053
360.0	-0.853	34.879	1450.8	28.049	28.379	-0.865	28.050	4.443	0.054
380.0	-0.834	34.881	1451.3	28.050	28.406	-0.847	28.051	4.348	0.055
400.1	-0.860	34.880	1451.5	28.050	28.392	-0.873	28.051	4.289	0.056
450.0	-0.849	34.884	1452.3	28.053	28.427	-0.864	28.054	3.910	0.058
500.0	-0.887	34.883	1453.0	28.053	28.416	-0.903	28.054	3.686	0.060
550.0	-0.909	34.884	1453.7	28.056	28.421	-0.927	28.057	3.310	0.061
600.0	-0.937	34.885	1454.4	28.057	28.420	-0.957	28.058	3.001	0.063
650.0	-0.957	34.885	1455.1	28.058	28.426	-0.979	28.060	2.696	0.064
700.0	-0.999	34.883	1455.7	28.058	28.411	-1.023	28.060	2.493	0.066
750.0	-1.015	34.883	1456.5	28.059	28.420	-1.041	28.060	2.240	0.067
800.0	-1.028	34.883	1457.2	28.059	28.431	-1.055	28.061	2.034	0.068
850.0	-1.039	34.884	1458.0	28.060	28.444	-1.069	28.062	1.773	0.069
900.0	-1.051	34.884	1458.8	28.061	28.456	-1.083	28.063	1.536	0.070
950.0	-1.059	34.883	1459.6	28.061	28.471	-1.093	28.063	1.378	0.070
1000.0	-1.067	34.882	1460.4	28.060	28.485	-1.103	28.062	1.284	0.071

STA. 018D 74-26.3N 001-39.7W 08/12/90 9.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 020/020, AIR TEMP. 6.7° C, DEW PT 4.4°C, DEPTH 3700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1002.0	-1.069	34.889	1460.4	28.065	28.489	-1.105	28.067	0.774	0.000
1050.1	-1.084	34.887	1461.1	28.065	28.496	-1.122	28.066	0.671	0.000
1100.0	-1.094	34.886	1461.9	28.064	28.508	-1.134	28.066	0.509	0.001
1150.1	-1.092	34.887	1462.7	28.065	28.533	-1.135	28.068	0.262	0.001
1200.1	-1.093	34.887	1463.6	28.065	28.553	-1.138	28.068	0.122	0.001
1250.1	-1.092	34.888	1464.4	28.066	28.576	-1.139	28.068	-0.045	0.001
1300.0	-1.086	34.888	1465.3	28.066	28.602	-1.136	28.068	-0.207	0.001
1350.1	-1.085	34.888	1466.1	28.066	28.625	-1.138	28.068	-0.352	0.001
1400.1	-1.086	34.889	1466.9	28.066	28.646	-1.141	28.069	-0.538	0.001
1450.0	-1.077	34.891	1467.8	28.067	28.676	-1.135	28.070	-0.748	0.000
1500.1	-1.076	34.891	1468.7	28.068	28.698	-1.137	28.070	-0.904	0.000
1550.0	-1.075	34.891	1469.5	28.068	28.720	-1.139	28.071	-1.042	-0.001
1600.1	-1.073	34.893	1470.4	28.069	28.744	-1.139	28.072	-1.299	-0.001
1650.0	-1.069	34.893	1471.2	28.069	28.768	-1.138	28.072	-1.395	-0.002
1700.1	-1.068	34.893	1472.0	28.069	28.789	-1.140	28.072	-1.536	-0.003
1750.1	-1.068	34.894	1472.9	28.070	28.811	-1.143	28.073	-1.757	-0.004
1800.1	-1.066	34.894	1473.7	28.070	28.833	-1.144	28.073	-1.896	-0.004
1850.1	-1.063	34.895	1474.6	28.070	28.858	-1.143	28.074	-2.073	-0.005
1900.1	-1.062	34.894	1475.4	28.070	28.878	-1.145	28.074	-2.174	-0.007
1950.1	-1.059	34.896	1476.3	28.071	28.902	-1.146	28.075	-2.369	-0.008
2000.1	-1.057	34.896	1477.2	28.071	28.925	-1.147	28.075	-2.544	-0.009
2050.0	-1.055	34.896	1478.0	28.071	28.947	-1.148	28.075	-2.653	-0.010
2100.1	-1.053	34.897	1478.9	28.072	28.969	-1.149	28.076	-2.824	-0.012
2150.1	-1.051	34.897	1479.7	28.072	28.991	-1.150	28.076	-2.937	-0.013
2200.1	-1.047	34.898	1480.6	28.072	29.014	-1.150	28.076	-3.095	-0.014
2250.1	-1.045	34.898	1481.4	28.072	29.036	-1.152	28.077	-3.207	-0.016
2300.0	-1.044	34.898	1482.3	28.072	29.056	-1.154	28.076	-3.318	-0.018
2350.0	-1.045	34.898	1483.1	28.072	29.076	-1.158	28.077	-3.455	-0.019
2400.1	-1.043	34.898	1484.0	28.072	29.097	-1.160	28.077	-3.579	-0.021
2450.1	-1.044	34.898	1484.8	28.072	29.116	-1.164	28.077	-3.728	-0.023
2500.1	-1.046	34.897	1485.7	28.072	29.134	-1.169	28.077	-3.844	-0.025
2550.1	-1.047	34.898	1486.5	28.072	29.152	-1.174	28.077	-4.002	-0.027
2600.0	-1.047	34.897	1487.4	28.072	29.171	-1.178	28.077	-4.107	-0.029
2650.1	-1.047	34.897	1488.2	28.072	29.191	-1.182	28.077	-4.240	-0.031
2700.0	-1.048	34.897	1489.1	28.072	29.210	-1.186	28.077	-4.374	-0.033
2750.1	-1.048	34.897	1489.9	28.071	29.229	-1.189	28.077	-4.462	-0.035
2800.1	-1.047	34.897	1490.8	28.071	29.248	-1.193	28.077	-4.601	-0.038
2850.1	-1.048	34.897	1491.7	28.072	29.267	-1.197	28.078	-4.755	-0.040
2900.1	-1.048	34.897	1492.5	28.071	29.286	-1.201	28.078	-4.851	-0.042
2950.0	-1.047	34.897	1493.4	28.072	29.305	-1.204	28.078	-5.021	-0.045
3000.0	-1.047	34.898	1494.2	28.072	29.324	-1.208	28.079	-5.174	-0.047

STA. 019S 74- 8.7N 003- 0.7W 08/12/90 14.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 009/015, AIR TEMP. 7.2° C, DEW PT 6.7°C, DEPTH 3700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.884	32.960	1471.7	25.955	32.450	5.884	25.956	203.930	0.004
3.0	5.886	32.959	1471.7	25.954	32.452	5.886	25.954	204.048	0.006
5.1	5.881	32.961	1471.7	25.956	32.449	5.880	25.956	203.908	0.010
7.2	5.881	32.962	1471.8	25.957	32.451	5.880	25.957	203.841	0.015
9.1	5.888	32.972	1471.8	25.964	32.467	5.887	25.964	203.176	0.019
11.1	5.867	32.992	1471.8	25.982	32.467	5.866	25.982	201.493	0.023
13.1	5.699	33.124	1471.3	26.107	32.440	5.698	26.107	189.655	0.027
15.0	3.462	34.096	1463.4	27.120	31.326	3.461	27.121	93.455	0.029
17.1	2.734	34.206	1460.5	27.274	30.783	2.733	27.275	78.839	0.031
19.0	2.215	34.304	1458.4	27.396	30.413	2.214	27.397	67.253	0.032
21.0	1.716	34.330	1456.3	27.456	30.003	1.715	27.457	61.585	0.034
23.1	1.493	34.382	1455.4	27.514	29.854	1.492	27.515	56.068	0.035
25.0	1.037	34.405	1453.4	27.564	29.481	1.036	27.565	51.314	0.036
27.0	0.497	34.478	1451.1	27.657	29.076	0.496	27.657	42.520	0.037
29.0	0.214	34.514	1449.9	27.702	28.862	0.213	27.703	38.206	0.038
31.0	0.041	34.558	1449.2	27.747	28.749	0.040	27.748	33.934	0.038
35.0	-0.212	34.620	1448.2	27.810	28.582	-0.213	27.810	27.985	0.040
40.0	-0.199	34.689	1448.4	27.865	28.647	-0.201	27.866	22.741	0.041
45.0	-0.443	34.737	1447.4	27.916	28.477	-0.445	27.916	17.914	0.042
50.0	-0.528	34.771	1447.2	27.947	28.433	-0.530	27.948	14.903	0.043
60.0	-0.431	34.807	1447.8	27.972	28.547	-0.433	27.973	12.576	0.044
70.0	-0.342	34.843	1448.4	27.997	28.654	-0.344	27.997	10.256	0.045
80.1	-0.317	34.847	1448.7	27.998	28.683	-0.319	27.999	10.082	0.046
90.0	-0.423	34.848	1448.4	28.005	28.598	-0.426	28.005	9.446	0.047
100.0	-0.344	34.862	1448.9	28.012	28.680	-0.347	28.012	8.791	0.048
110.0	-0.306	34.866	1449.3	28.014	28.721	-0.310	28.014	8.615	0.049
120.0	-0.403	34.865	1449.0	28.017	28.642	-0.407	28.018	8.205	0.050
130.1	-0.442	34.867	1449.0	28.021	28.614	-0.446	28.021	7.889	0.051
140.0	-0.440	34.871	1449.2	28.024	28.623	-0.445	28.024	7.575	0.051
150.0	-0.572	34.863	1448.7	28.023	28.510	-0.576	28.024	7.543	0.052
160.1	-0.501	34.870	1449.2	28.026	28.580	-0.506	28.027	7.312	0.053
170.0	-0.519	34.872	1449.3	28.029	28.571	-0.524	28.029	7.044	0.054
180.0	-0.649	34.858	1448.8	28.023	28.454	-0.655	28.023	7.507	0.054
190.2	-1.233	34.820	1446.2	28.016	27.936	-1.238	28.017	7.763	0.055
200.0	-1.258	34.835	1446.3	28.029	27.930	-1.264	28.030	6.510	0.056
220.0	-1.231	34.835	1446.7	28.028	27.962	-1.237	28.028	6.580	0.057
240.2	-1.245	34.837	1447.0	28.030	27.961	-1.252	28.031	6.258	0.058
260.0	-1.058	34.850	1448.2	28.034	28.138	-1.066	28.035	5.974	0.060
280.1	-1.041	34.858	1448.6	28.039	28.167	-1.050	28.040	5.430	0.061
300.1	-1.111	34.853	1448.6	28.038	28.113	-1.120	28.039	5.437	0.062
320.0	-0.966	34.864	1449.6	28.041	28.254	-0.976	28.042	5.196	0.063
340.0	-1.000	34.864	1449.8	28.043	28.234	-1.010	28.043	4.990	0.064
360.0	-0.961	34.868	1450.3	28.044	28.279	-0.972	28.045	4.815	0.065
380.0	-0.872	34.875	1451.1	28.047	28.369	-0.884	28.048	4.601	0.066
400.0	-0.860	34.877	1451.5	28.047	28.390	-0.872	28.048	4.517	0.067
450.1	-0.845	34.881	1452.3	28.050	28.428	-0.860	28.051	4.135	0.069
500.0	-0.843	34.883	1453.2	28.052	28.453	-0.860	28.053	3.883	0.071
550.0	-0.867	34.885	1453.9	28.054	28.457	-0.885	28.055	3.508	0.073
600.0	-0.920	34.882	1454.5	28.054	28.433	-0.940	28.056	3.277	0.074
650.1	-0.898	34.887	1455.4	28.057	28.478	-0.920	28.058	2.933	0.076
700.0	-0.908	34.888	1456.2	28.059	28.492	-0.932	28.060	2.644	0.077
750.1	-0.945	34.887	1456.8	28.059	28.482	-0.971	28.061	2.370	0.079
800.0	-0.964	34.887	1457.5	28.060	28.488	-0.992	28.062	2.127	0.086
850.0	-0.994	34.887	1458.2	28.061	28.485	-1.024	28.063	1.797	0.087
900.0	-1.021	34.886	1458.9	28.062	28.483	-1.053	28.063	1.566	0.088
950.0	-1.032	34.887	1459.7	28.062	28.496	-1.066	28.064	1.306	0.089
1000.0	-1.034	34.889	1460.5	28.064	28.518	-1.070	28.066	0.980	0.089



STA. 019D 74- 8.7N 003- 0.6W 08/12/90 15.1 HRS GMT, 1002 RECORDS  
WIND KNOTS/DIR 010/020, AIR TEMP. 7.2° C, DEW PT 6.7°C, DEPTH 3700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDS PD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-1.030	34.890	1460.5	28.065	28.522	-1.066	28.067	0.946	0.000
1050.1	-1.050	34.888	1461.3	28.064	28.526	-1.088	28.066	0.814	0.000
1100.0	-1.077	34.887	1462.0	28.065	28.524	-1.117	28.067	0.531	0.001
1150.1	-1.073	34.888	1462.8	28.065	28.549	-1.116	28.067	0.343	0.001
1200.0	-1.088	34.887	1463.6	28.065	28.558	-1.133	28.067	0.201	0.001
1250.1	-1.083	34.888	1464.4	28.066	28.583	-1.131	28.068	-0.007	0.001
1300.1	-1.083	34.888	1465.3	28.066	28.605	-1.133	28.068	-0.192	0.001
1350.1	-1.078	34.889	1466.1	28.066	28.632	-1.130	28.069	-0.362	0.001
1400.1	-1.083	34.889	1467.0	28.067	28.649	-1.138	28.069	-0.545	0.001
1450.1	-1.081	34.889	1467.8	28.066	28.672	-1.138	28.069	-0.659	0.001
1500.1	-1.079	34.890	1468.6	28.067	28.694	-1.140	28.069	-0.826	0.000
1550.1	-1.080	34.890	1469.5	28.067	28.715	-1.143	28.070	-1.021	0.000
1600.1	-1.072	34.891	1470.3	28.068	28.743	-1.138	28.071	-1.193	-0.001
1650.0	-1.068	34.892	1471.2	28.068	28.768	-1.137	28.071	-1.335	-0.001
1700.1	-1.070	34.892	1472.0	28.068	28.787	-1.142	28.071	-1.497	-0.002
1750.1	-1.068	34.893	1472.9	28.069	28.810	-1.143	28.072	-1.678	-0.003
1800.0	-1.064	34.893	1473.7	28.069	28.834	-1.142	28.072	-1.800	-0.004
1850.1	-1.064	34.894	1474.6	28.070	28.856	-1.144	28.073	-2.009	-0.005
1900.0	-1.061	34.894	1475.4	28.070	28.879	-1.145	28.073	-2.131	-0.006
1950.1	-1.058	34.894	1476.3	28.070	28.902	-1.145	28.074	-2.272	-0.007
2000.1	-1.057	34.895	1477.2	28.070	28.923	-1.147	28.074	-2.434	-0.008
2050.1	-1.053	34.895	1478.0	28.070	28.947	-1.146	28.074	-2.577	-0.009
2100.0	-1.053	34.896	1478.9	28.071	28.968	-1.149	28.075	-2.730	-0.011
2150.0	-1.050	34.896	1479.7	28.071	28.990	-1.150	28.075	-2.871	-0.012
2200.1	-1.044	34.897	1480.6	28.071	29.016	-1.147	28.076	-3.003	-0.014
2250.1	-1.045	34.897	1481.4	28.071	29.035	-1.152	28.076	-3.142	-0.015
2300.1	-1.044	34.897	1482.3	28.071	29.056	-1.154	28.076	-3.265	-0.017
2350.0	-1.045	34.898	1483.1	28.072	29.075	-1.158	28.077	-3.467	-0.018
2400.1	-1.045	34.897	1484.0	28.071	29.095	-1.162	28.076	-3.555	-0.020
2450.0	-1.044	34.898	1484.8	28.072	29.116	-1.164	28.077	-3.719	-0.022
2500.1	-1.043	34.898	1485.7	28.072	29.136	-1.167	28.077	-3.834	-0.024
2550.1	-1.045	34.897	1486.5	28.071	29.153	-1.172	28.076	-3.909	-0.026
2600.0	-1.047	34.897	1487.4	28.071	29.172	-1.177	28.077	-4.089	-0.028
2650.1	-1.047	34.897	1488.2	28.072	29.191	-1.182	28.077	-4.246	-0.030
2700.1	-1.048	34.898	1489.1	28.072	29.209	-1.186	28.078	-4.415	-0.032
2750.1	-1.049	34.897	1489.9	28.072	29.228	-1.191	28.078	-4.528	-0.034
2800.0	-1.048	34.897	1490.8	28.072	29.247	-1.194	28.078	-4.651	-0.037
2850.0	-1.048	34.897	1491.7	28.072	29.266	-1.197	28.078	-4.759	-0.039
2900.1	-1.048	34.897	1492.5	28.071	29.285	-1.201	28.078	-4.857	-0.041
2950.1	-1.047	34.897	1493.4	28.071	29.305	-1.204	28.078	-4.991	-0.044
3000.0	-1.046	34.897	1494.2	28.071	29.324	-1.207	28.078	-5.081	-0.046

STA. 020S 73-48.5N 004- 6.9W 08/12/90 20.0 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 008/025, AIR TEMP. 6.1° C, DEW PT 5.0°C, DEPTH 3363 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.737	32.045	1469.9	25.249	31.511	5.737	25.250	271.024	0.005
3.0	5.722	32.119	1470.0	25.310	31.565	5.722	25.310	265.265	0.008
5.1	5.721	32.207	1470.1	25.380	31.643	5.720	25.380	258.667	0.014
7.0	5.724	32.223	1470.2	25.392	31.661	5.724	25.392	257.542	0.019
9.1	5.662	32.264	1470.0	25.431	31.645	5.661	25.432	253.781	0.024
11.2	4.448	33.061	1466.1	26.198	31.304	4.447	26.198	180.962	0.029
13.0	3.187	33.550	1461.5	26.711	30.635	3.186	26.711	132.239	0.031
15.0	2.351	33.737	1458.2	26.931	30.072	2.350	26.932	111.299	0.034
17.0	1.791	33.769	1455.8	27.001	29.622	1.790	27.001	104.731	0.036
19.0	0.214	33.883	1448.9	27.193	28.379	0.213	27.194	86.391	0.038
21.1	0.965	34.201	1452.8	27.405	29.259	0.965	27.405	66.418	0.040
23.0	1.501	34.355	1455.4	27.492	29.839	1.500	27.493	58.177	0.041
25.1	1.819	34.388	1456.9	27.495	30.140	1.818	27.495	57.966	0.042
27.0	1.798	34.433	1456.9	27.532	30.158	1.797	27.533	54.404	0.043
29.0	1.394	34.486	1455.2	27.605	29.852	1.392	27.605	47.509	0.044
31.1	1.352	34.525	1455.1	27.639	29.848	1.350	27.640	44.261	0.045
35.0	0.497	34.623	1451.4	27.774	29.190	0.495	27.774	31.454	0.047
40.0	-0.237	34.642	1448.2	27.829	28.580	-0.239	27.830	26.121	0.048
45.0	-0.277	34.723	1448.2	27.896	28.608	-0.279	27.897	19.776	0.049
50.0	-0.371	34.752	1447.9	27.925	28.552	-0.373	27.925	17.075	0.050
60.1	-0.732	34.782	1446.4	27.965	28.272	-0.734	27.965	13.196	0.052
70.0	-0.630	34.825	1447.1	27.996	28.396	-0.632	27.996	10.286	0.053
80.0	-0.732	34.829	1446.8	28.003	28.316	-0.735	28.004	9.549	0.054
90.1	-0.611	34.856	1447.5	28.020	28.443	-0.614	28.020	7.995	0.055
100.1	-0.550	34.859	1448.0	28.019	28.502	-0.554	28.020	8.008	0.056
110.1	-0.560	34.858	1448.1	28.019	28.498	-0.563	28.020	8.019	0.057
120.0	-0.582	34.863	1448.2	28.024	28.487	-0.586	28.025	7.534	0.057
130.0	-0.568	34.866	1448.4	28.026	28.507	-0.572	28.027	7.315	0.058
140.1	-0.679	34.860	1448.0	28.026	28.412	-0.683	28.027	7.244	0.059
150.0	-0.904	34.851	1447.1	28.028	28.218	-0.908	28.029	6.950	0.060
160.0	-0.929	34.852	1447.2	28.030	28.202	-0.934	28.031	6.731	0.060
170.0	-0.894	34.855	1447.5	28.031	28.239	-0.899	28.031	6.647	0.061
180.0	-0.974	34.853	1447.3	28.033	28.174	-0.979	28.033	6.389	0.062
190.1	-0.922	34.857	1447.7	28.034	28.226	-0.928	28.035	6.268	0.062
200.1	-0.897	34.859	1448.0	28.035	28.254	-0.903	28.035	6.201	0.063
220.0	-0.885	34.865	1448.4	28.039	28.277	-0.891	28.040	5.755	0.064
240.0	-0.897	34.864	1448.7	28.039	28.276	-0.904	28.039	5.729	0.065
260.0	-0.913	34.865	1448.9	28.040	28.273	-0.920	28.041	5.490	0.066
280.0	-1.005	34.863	1448.8	28.042	28.202	-1.013	28.043	5.179	0.067
300.0	-0.976	34.865	1449.3	28.042	28.236	-0.985	28.043	5.144	0.068
320.0	-0.982	34.866	1449.6	28.044	28.242	-0.992	28.045	4.927	0.069
340.1	-0.984	34.868	1449.9	28.045	28.250	-0.994	28.046	4.743	0.070
360.0	-0.972	34.870	1450.3	28.046	28.272	-0.983	28.047	4.590	0.071
380.0	-0.964	34.871	1450.6	28.047	28.288	-0.975	28.048	4.487	0.072
400.1	-0.946	34.873	1451.0	28.048	28.314	-0.959	28.049	4.350	0.073
450.0	-0.961	34.874	1451.8	28.050	28.325	-0.975	28.051	4.045	0.075
500.1	-0.964	34.875	1452.6	28.050	28.345	-0.980	28.052	3.831	0.077
550.0	-0.963	34.877	1453.4	28.052	28.370	-0.981	28.053	3.556	0.079
600.0	-0.948	34.880	1454.3	28.054	28.407	-0.968	28.055	3.278	0.081
650.0	-0.963	34.882	1455.1	28.056	28.418	-0.985	28.057	2.944	0.082
700.0	-0.935	34.885	1456.0	28.058	28.467	-0.959	28.059	2.673	0.084
750.0	-0.931	34.887	1456.9	28.059	28.494	-0.957	28.060	2.439	0.085
800.0	-0.922	34.890	1457.7	28.060	28.526	-0.950	28.062	2.172	0.086
850.0	-0.927	34.892	1458.6	28.062	28.545	-0.957	28.064	1.874	0.087
900.0	-0.939	34.891	1459.3	28.062	28.557	-0.971	28.064	1.703	0.088
950.0	-0.972	34.889	1460.0	28.062	28.549	-1.007	28.064	1.481	0.089
1000.0	-0.995	34.890	1460.7	28.064	28.552	-1.032	28.066	1.141	0.089

STA. 020D 73-46.7N 004- 6.7W 08/12/90 20.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 008/025, AIR TEMP. 6.1° C, DEW PT 5.0°C, DEPTH 3363 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1001.0	-0.997	34.889	1460.7	28.063	28.550	-1.034	28.065	1.201	0.000
1050.0	-1.023	34.887	1461.4	28.062	28.548	-1.061	28.064	1.056	0.001
1100.1	-1.037	34.887	1462.2	28.063	28.557	-1.078	28.065	0.814	0.001
1150.1	-1.045	34.887	1463.0	28.063	28.573	-1.088	28.065	0.640	0.001
1200.1	-1.050	34.887	1463.8	28.063	28.589	-1.096	28.066	0.448	0.002
1250.1	-1.052	34.888	1464.6	28.064	28.610	-1.099	28.066	0.234	0.002
1300.0	-1.055	34.888	1465.4	28.065	28.629	-1.106	28.067	0.030	0.002
1350.1	-1.047	34.890	1466.3	28.066	28.658	-1.100	28.069	-0.215	0.002
1400.1	-1.030	34.892	1467.2	28.067	28.695	-1.086	28.069	-0.332	0.002
1450.1	-1.032	34.893	1468.0	28.067	28.715	-1.090	28.070	-0.553	0.001
1500.1	-1.026	34.892	1468.9	28.067	28.742	-1.087	28.070	-0.622	0.001
1550.1	-1.023	34.893	1469.7	28.067	28.765	-1.087	28.070	-0.803	0.001
1600.1	-1.025	34.895	1470.6	28.069	28.786	-1.092	28.072	-1.052	0.000
1650.0	-1.025	34.895	1471.4	28.069	28.807	-1.094	28.072	-1.201	0.000
1700.1	-1.021	34.895	1472.3	28.069	28.831	-1.094	28.072	-1.339	-0.001
1750.1	-1.019	34.896	1473.1	28.070	28.854	-1.095	28.073	-1.515	-0.002
1800.1	-1.021	34.896	1474.0	28.069	28.873	-1.100	28.073	-1.652	-0.002
1850.1	-1.024	34.896	1474.8	28.069	28.891	-1.105	28.073	-1.791	-0.003
1900.0	-1.031	34.896	1475.6	28.070	28.906	-1.115	28.073	-1.988	-0.004
1950.0	-1.028	34.896	1476.4	28.070	28.928	-1.116	28.074	-2.105	-0.005
2000.0	-1.031	34.897	1477.3	28.071	28.946	-1.122	28.074	-2.332	-0.006
2050.0	-1.029	34.897	1478.1	28.071	28.969	-1.122	28.075	-2.451	-0.007
2100.0	-1.023	34.897	1479.0	28.071	28.995	-1.120	28.075	-2.580	-0.009
2150.0	-1.028	34.897	1479.8	28.071	29.010	-1.128	28.075	-2.725	-0.010
2200.1	-1.032	34.897	1480.7	28.071	29.027	-1.135	28.075	-2.871	-0.011
2250.1	-1.028	34.898	1481.5	28.071	29.050	-1.135	28.076	-3.032	-0.013
2300.1	-1.029	34.898	1482.4	28.072	29.070	-1.139	28.076	-3.200	-0.015
2350.0	-1.026	34.898	1483.2	28.071	29.092	-1.139	28.076	-3.265	-0.016
2400.1	-1.030	34.897	1484.1	28.071	29.108	-1.146	28.076	-3.406	-0.018
2450.0	-1.034	34.896	1484.9	28.070	29.124	-1.154	28.076	-3.520	-0.020
2500.1	-1.037	34.897	1485.7	28.071	29.141	-1.161	28.076	-3.719	-0.021
2550.1	-1.040	34.896	1486.6	28.070	29.157	-1.167	28.076	-3.801	-0.023
2600.1	-1.041	34.896	1487.4	28.070	29.176	-1.172	28.076	-3.960	-0.025
2650.1	-1.043	34.896	1488.3	28.070	29.193	-1.178	28.076	-4.098	-0.027
2700.1	-1.043	34.895	1489.1	28.070	29.212	-1.181	28.076	-4.171	-0.029
2750.1	-1.044	34.896	1490.0	28.070	29.231	-1.186	28.076	-4.357	-0.031
2800.0	-1.044	34.895	1490.8	28.069	29.249	-1.190	28.075	-4.399	-0.034
2850.0	-1.044	34.895	1491.7	28.070	29.269	-1.193	28.076	-4.549	-0.036
2900.1	-1.042	34.895	1492.5	28.069	29.289	-1.196	28.076	-4.638	-0.038
2950.0	-1.043	34.894	1493.4	28.069	29.307	-1.200	28.076	-4.749	-0.040
3000.0	-1.041	34.894	1494.3	28.069	29.326	-1.202	28.075	-4.811	-0.043



STA. 021S 73-27.7N 005- 8.5W 08/13/90 1.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 012/330, AIR TEMP. 6.7° C, DEW PT 6.7°C, DEPTH 3080 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	4.256	30.319	1461.7	24.040	28.789	4.256	24.041	386.175	0.008
3.0	4.244	30.328	1461.6	24.049	28.788	4.244	24.049	385.360	0.012
5.1	4.242	30.329	1461.7	24.050	28.788	4.242	24.050	385.283	0.020
7.0	4.239	30.334	1461.7	24.054	28.791	4.239	24.054	384.895	0.027
9.0	3.259	31.102	1458.6	24.753	28.661	3.259	24.753	318.281	0.034
11.1	0.886	32.719	1450.3	26.217	28.038	0.886	26.218	178.984	0.039
13.0	1.454	33.378	1453.7	26.711	29.027	1.454	26.712	132.120	0.042
15.0	2.222	33.457	1457.2	26.718	29.737	2.221	26.719	131.514	0.045
17.1	1.182	33.556	1452.8	26.872	28.939	1.182	26.872	116.898	0.047
19.1	0.620	33.912	1450.8	27.193	28.743	0.620	27.194	86.396	0.050
21.1	0.877	33.872	1451.9	27.146	28.930	0.877	27.146	90.924	0.051
23.0	0.042	33.798	1448.0	27.133	28.172	0.041	27.134	92.077	0.053
25.3	-0.004	33.874	1448.0	27.197	28.192	-0.005	27.197	86.036	0.055
27.0	-0.344	33.960	1446.5	27.283	27.974	-0.345	27.283	77.855	0.057
29.0	-0.613	34.029	1445.4	27.351	27.802	-0.614	27.351	71.384	0.058
31.0	-0.556	34.124	1445.8	27.425	27.921	-0.557	27.426	64.334	0.059
35.1	-0.347	34.272	1447.1	27.535	28.208	-0.348	27.535	53.969	0.062
40.1	-0.185	34.412	1448.1	27.641	28.452	-0.186	27.641	43.987	0.064
45.1	0.017	34.564	1449.3	27.753	28.740	0.015	27.754	33.345	0.066
50.0	0.268	34.645	1450.7	27.805	29.018	0.266	27.805	28.490	0.068
60.0	0.497	34.763	1452.0	27.887	29.309	0.495	27.887	20.798	0.070
70.0	0.802	34.832	1453.7	27.923	29.629	0.799	27.923	17.462	0.072
80.1	1.111	34.884	1455.3	27.944	29.942	1.108	27.945	15.512	0.074
90.0	1.246	34.913	1456.1	27.958	30.086	1.242	27.959	14.284	0.075
100.0	1.239	34.914	1456.2	27.960	30.086	1.235	27.961	14.137	0.077
110.1	1.138	34.915	1455.9	27.967	30.003	1.133	27.968	13.432	0.078
120.0	1.007	34.904	1455.5	27.967	29.884	1.001	27.968	13.418	0.079
130.0	0.924	34.907	1455.3	27.976	29.821	0.919	27.976	12.630	0.081
140.0	0.797	34.903	1454.9	27.981	29.712	0.791	27.982	12.109	0.082
150.1	0.727	34.900	1454.7	27.982	29.654	0.721	27.983	11.942	0.083
160.0	0.576	34.894	1454.2	27.987	29.522	0.569	27.988	11.480	0.084
170.0	0.567	34.897	1454.3	27.990	29.522	0.560	27.991	11.180	0.085
180.0	0.472	34.890	1454.0	27.990	29.439	0.465	27.991	11.116	0.086
190.0	0.425	34.891	1454.0	27.994	29.404	0.417	27.995	10.785	0.088
200.0	0.362	34.893	1453.9	27.999	29.355	0.353	28.000	10.269	0.089
220.2	0.261	34.893	1453.7	28.009	29.282	0.253	28.010	9.299	0.091
240.2	0.115	34.889	1453.4	28.010	29.158	0.105	28.011	9.118	0.092
260.1	0.122	34.896	1453.7	28.015	29.179	0.112	28.016	8.628	0.094
280.0	0.063	34.896	1453.8	28.018	29.137	0.052	28.020	8.273	0.096
300.1	0.002	34.892	1453.8	28.019	29.092	-0.009	28.020	8.203	0.098
320.1	-0.069	34.890	1453.8	28.021	29.038	-0.081	28.022	7.946	0.099
340.0	-0.147	34.888	1453.8	28.023	28.979	-0.159	28.025	7.606	0.101
360.0	-0.227	34.884	1453.8	28.024	28.916	-0.241	28.026	7.425	0.102
380.1	-0.244	34.888	1454.0	28.029	28.914	-0.259	28.030	7.003	0.104
400.1	-0.290	34.886	1454.1	28.029	28.883	-0.304	28.030	6.911	0.105
450.0	-0.314	34.893	1454.8	28.035	28.890	-0.330	28.037	6.213	0.108
500.0	-0.376	34.893	1455.4	28.039	28.860	-0.394	28.040	5.753	0.111
550.0	-0.545	34.888	1455.4	28.043	28.734	-0.565	28.044	5.067	0.114
600.0	-0.556	34.892	1456.2	28.047	28.750	-0.578	28.048	4.609	0.117
650.1	-0.613	34.891	1456.7	28.049	28.723	-0.637	28.050	4.246	0.119
700.1	-0.671	34.890	1457.3	28.050	28.695	-0.697	28.052	3.890	0.121
750.0	-0.760	34.890	1457.7	28.054	28.641	-0.788	28.055	3.292	0.123
800.1	-0.771	34.890	1458.5	28.054	28.655	-0.800	28.056	3.078	0.124
850.1	-0.724	34.897	1459.5	28.058	28.721	-0.756	28.060	2.725	0.126
900.1	-0.750	34.897	1460.2	28.059	28.722	-0.783	28.061	2.455	0.127
950.0	-0.780	34.898	1460.9	28.061	28.719	-0.816	28.063	2.088	0.128
1000.0	-0.779	34.900	1461.7	28.063	28.743	-0.818	28.065	1.808	0.129

STA. 021D 73-27.6N 005- 9.6W 08/13/90 2.0 HRS GMT, 987 RECORDS  
WIND KNOTS/DIR 012/340, AIR TEMP. 6.7° C, DEW PT 6.7°C, DEPTH 3080 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1001.0	-0.779	34.900	1461.8	28.063	28.743	-0.818	28.065	1.851	0.000
1050.0	-0.805	34.900	1462.4	28.064	28.742	-0.846	28.066	1.537	0.001
1100.0	-0.817	34.901	1463.2	28.066	28.755	-0.860	28.068	1.253	0.002
1150.1	-0.844	34.902	1463.9	28.067	28.754	-0.889	28.069	0.940	0.002
1200.0	-0.859	34.902	1464.7	28.068	28.763	-0.906	28.070	0.697	0.002
1250.1	-0.863	34.902	1465.5	28.068	28.781	-0.913	28.071	0.534	0.003
1300.1	-0.873	34.902	1466.3	28.069	28.794	-0.925	28.071	0.320	0.003
1350.0	-0.893	34.903	1467.0	28.070	28.799	-0.947	28.072	0.026	0.003
1400.1	-0.926	34.900	1467.7	28.069	28.790	-0.983	28.072	-0.171	0.003
1450.1	-0.931	34.901	1468.5	28.070	28.807	-0.990	28.073	-0.379	0.003
1500.1	-0.974	34.897	1469.1	28.068	28.788	-1.036	28.071	-0.522	0.003
1550.0	-0.969	34.899	1470.0	28.070	28.815	-1.034	28.073	-0.783	0.002
1600.1	-0.974	34.898	1470.8	28.069	28.832	-1.041	28.073	-0.895	0.002
1650.1	-0.977	34.899	1471.6	28.071	28.851	-1.047	28.074	-1.147	0.001
1700.1	-0.976	34.900	1472.5	28.071	28.873	-1.049	28.074	-1.314	0.001
1750.0	-0.968	34.901	1473.4	28.072	28.902	-1.044	28.075	-1.471	0.000
1800.0	-0.977	34.901	1474.2	28.072	28.915	-1.056	28.076	-1.672	-0.001
1850.1	-0.971	34.902	1475.0	28.072	28.941	-1.053	28.076	-1.789	-0.002
1900.0	-0.974	34.903	1475.9	28.074	28.959	-1.059	28.078	-2.056	-0.002
1950.1	-0.984	34.902	1476.7	28.073	28.970	-1.072	28.077	-2.174	-0.004
2000.1	-0.980	34.904	1477.5	28.074	28.996	-1.071	28.078	-2.397	-0.005
2050.0	-0.981	34.904	1478.4	28.074	29.014	-1.075	28.078	-2.506	-0.006
2100.0	-0.977	34.904	1479.2	28.075	29.038	-1.075	28.079	-2.654	-0.007
2150.0	-0.973	34.905	1480.1	28.075	29.062	-1.074	28.080	-2.809	-0.008
2200.0	-0.984	34.903	1480.9	28.074	29.072	-1.088	28.079	-2.894	-0.010
2250.0	-0.979	34.904	1481.8	28.075	29.097	-1.087	28.079	-3.043	-0.011
2300.1	-0.975	34.905	1482.6	28.075	29.121	-1.086	28.080	-3.210	-0.013
2350.0	-0.985	34.904	1483.4	28.075	29.132	-1.099	28.080	-3.362	-0.015
2400.1	-0.992	34.903	1484.3	28.074	29.144	-1.110	28.079	-3.482	-0.016
2450.0	-1.004	34.902	1485.0	28.074	29.153	-1.124	28.079	-3.604	-0.018
2500.0	-1.014	34.901	1485.8	28.073	29.163	-1.138	28.078	-3.754	-0.020
2550.1	-1.023	34.899	1486.7	28.072	29.174	-1.151	28.078	-3.890	-0.022
2600.0	-1.031	34.898	1487.5	28.072	29.186	-1.162	28.077	-4.022	-0.024
2650.1	-1.036	34.898	1488.3	28.071	29.201	-1.170	28.077	-4.142	-0.026
2700.0	-1.039	34.897	1489.1	28.071	29.217	-1.177	28.077	-4.275	-0.028
2750.1	-1.043	34.896	1490.0	28.071	29.232	-1.185	28.076	-4.373	-0.030
2800.0	-1.048	34.896	1490.8	28.070	29.246	-1.194	28.076	-4.518	-0.032
2850.0	-1.049	34.895	1491.7	28.070	29.264	-1.198	28.076	-4.626	-0.035
2900.1	-1.050	34.895	1492.5	28.070	29.282	-1.203	28.076	-4.771	-0.037
2950.1	-1.051	34.895	1493.4	28.070	29.300	-1.208	28.076	-4.864	-0.039
2971.0	-1.053	34.895	1493.7	28.070	29.306	-1.212	28.077	-4.978	-0.040

STA. 022S 73- 6.7N 006-18.8W 08/13/90 6.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 015/065, AIR TEMP. 7.2° C, DEW PT 5.0°C, DEPTH 2700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.194	30.924	1466.3	24.424	30.069	5.194	24.424	349.617	0.007
3.0	5.178	30.922	1466.3	24.424	30.055	5.178	24.425	349.588	0.011
5.0	5.142	30.942	1466.2	24.444	30.044	5.141	24.445	347.709	0.018
7.0	4.970	31.070	1465.7	24.564	30.018	4.970	24.564	336.334	0.024
9.1	4.204	31.449	1463.0	24.942	29.720	4.204	24.943	300.258	0.031
11.0	1.968	32.549	1454.9	26.010	28.794	1.967	26.011	198.703	0.036
13.0	0.744	32.722	1449.7	26.229	27.926	0.744	26.229	177.916	0.039
15.1	-0.167	33.270	1446.3	26.717	27.598	-0.167	26.718	131.511	0.042
17.1	-0.387	33.555	1445.6	26.957	27.631	-0.388	26.958	108.747	0.045
19.0	-0.569	33.765	1445.1	27.135	27.638	-0.569	27.136	91.868	0.047
21.0	-0.625	33.837	1445.0	27.196	27.646	-0.626	27.196	86.105	0.049
23.1	-0.712	33.906	1444.7	27.255	27.626	-0.712	27.256	80.451	0.050
25.0	-0.696	33.974	1444.9	27.310	27.690	-0.697	27.310	75.289	0.052
27.0	-0.510	34.076	1445.9	27.384	27.922	-0.511	27.385	68.242	0.053
29.5	-0.446	34.182	1446.4	27.467	28.055	-0.447	27.468	60.381	0.055
31.0	-0.409	34.230	1446.7	27.504	28.123	-0.410	27.504	56.910	0.056
35.3	-0.221	34.363	1447.8	27.603	28.382	-0.223	27.603	47.558	0.058
40.0	-0.199	34.505	1448.2	27.717	28.510	-0.200	27.717	36.796	0.060
45.1	-0.163	34.605	1448.5	27.796	28.618	-0.165	27.796	29.315	0.062
50.0	0.037	34.679	1449.6	27.844	28.846	0.036	27.845	24.733	0.063
60.1	0.403	34.765	1451.6	27.893	29.229	0.401	27.894	20.163	0.065
70.0	0.789	34.827	1453.6	27.920	29.613	0.786	27.920	17.762	0.067
80.0	0.841	34.860	1454.0	27.943	29.689	0.838	27.943	15.593	0.069
90.0	0.833	34.868	1454.2	27.950	29.693	0.829	27.951	14.931	0.070
100.0	1.037	34.896	1455.3	27.959	29.896	1.033	27.960	14.135	0.072
110.0	1.043	34.899	1455.5	27.961	29.908	1.038	27.962	13.973	0.073
120.0	0.856	34.892	1454.8	27.968	29.745	0.851	27.969	13.320	0.074
130.0	0.743	34.893	1454.4	27.976	29.653	0.738	27.977	12.532	0.076
140.0	0.774	34.901	1454.8	27.980	29.690	0.768	27.981	12.172	0.077
150.1	0.540	34.889	1453.8	27.986	29.484	0.534	27.986	11.566	0.078
160.0	0.504	34.891	1453.8	27.989	29.458	0.497	27.990	11.214	0.079
170.0	0.379	34.880	1453.4	27.988	29.347	0.373	27.989	11.321	0.080
180.1	0.330	34.883	1453.4	27.993	29.311	0.322	27.994	10.828	0.081
190.0	0.365	34.889	1453.7	27.996	29.351	0.358	27.996	10.596	0.083
200.0	0.321	34.902	1453.7	28.008	29.327	0.313	28.009	9.356	0.084
220.0	0.256	34.891	1453.7	28.004	29.272	0.248	28.005	9.796	0.086
240.0	0.202	34.893	1453.8	28.008	29.237	0.193	28.009	9.309	0.087
260.0	0.155	34.894	1453.9	28.012	29.206	0.144	28.013	8.963	0.089
280.0	0.074	34.891	1453.8	28.013	29.143	0.063	28.015	8.752	0.091
300.1	-0.017	34.886	1453.7	28.014	29.070	-0.028	28.015	8.593	0.093
320.0	-0.044	34.889	1454.0	28.019	29.059	-0.056	28.020	8.169	0.094
340.1	-0.104	34.889	1454.0	28.022	29.017	-0.117	28.023	7.786	0.096
360.2	-0.177	34.885	1454.0	28.023	28.960	-0.191	28.024	7.636	0.098
380.0	-0.236	34.881	1454.0	28.022	28.916	-0.250	28.024	7.583	0.099
400.0	-0.278	34.883	1454.2	28.026	28.891	-0.293	28.027	7.188	0.101
450.0	-0.334	34.887	1454.7	28.032	28.867	-0.351	28.033	6.553	0.104
500.1	-0.367	34.890	1455.4	28.036	28.865	-0.386	28.038	6.019	0.107
550.0	-0.432	34.893	1455.9	28.041	28.834	-0.452	28.043	5.367	0.110
600.0	-0.521	34.891	1456.3	28.044	28.779	-0.543	28.045	4.936	0.113
650.0	-0.573	34.893	1456.9	28.048	28.758	-0.597	28.050	4.371	0.115
700.0	-0.634	34.893	1457.5	28.051	28.728	-0.660	28.052	3.916	0.117
750.1	-0.624	34.898	1458.3	28.054	28.763	-0.652	28.056	3.511	0.119
800.1	-0.648	34.902	1459.1	28.059	28.768	-0.678	28.061	2.930	0.121
850.0	-0.663	34.902	1459.8	28.059	28.776	-0.696	28.061	2.797	0.122
900.0	-0.650	34.905	1460.7	28.061	28.813	-0.684	28.063	2.519	0.123
950.0	-0.674	34.907	1461.4	28.064	28.816	-0.710	28.066	2.118	0.125
1000.0	-0.716	34.906	1462.0	28.065	28.801	-0.755	28.067	1.794	0.126



STA. 022D 73- 6.8N 006-18.8W 08/13/90 7.1 HRS GMT, 801 RECORDS  
WIND KNOTS/DIR 015/065, AIR TEMP. 7.2° C, DEW PT 5.0°C, DEPTH 2700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.694	34.908	1462.1	28.066	28.821	-0.733	28.068	1.817	0.000
1050.0	-0.722	34.908	1462.8	28.066	28.818	-0.763	28.069	1.567	0.001
1100.0	-0.757	34.907	1463.5	28.067	28.810	-0.800	28.070	1.279	0.002
1150.1	-0.773	34.909	1464.3	28.070	28.819	-0.819	28.072	0.920	0.002
1200.1	-0.790	34.908	1465.0	28.070	28.825	-0.838	28.072	0.723	0.003
1250.1	-0.822	34.907	1465.7	28.070	28.819	-0.872	28.073	0.498	0.003
1300.1	-0.846	34.906	1466.4	28.071	28.820	-0.898	28.073	0.228	0.003
1350.0	-0.865	34.905	1467.2	28.071	28.824	-0.920	28.073	0.064	0.003
1400.0	-0.871	34.906	1468.0	28.072	28.841	-0.929	28.075	-0.202	0.003
1450.0	-0.895	34.905	1468.7	28.072	28.841	-0.955	28.075	-0.427	0.003
1500.0	-0.899	34.905	1469.5	28.072	28.858	-0.962	28.075	-0.576	0.003
1550.0	-0.913	34.905	1470.3	28.072	28.867	-0.978	28.075	-0.759	0.002
1600.1	-0.916	34.906	1471.1	28.073	28.886	-0.984	28.077	-1.000	0.002
1650.0	-0.933	34.904	1471.9	28.072	28.892	-1.004	28.076	-1.101	0.001
1700.0	-0.932	34.906	1472.7	28.074	28.915	-1.006	28.078	-1.403	0.001
1750.0	-0.934	34.906	1473.5	28.074	28.933	-1.011	28.077	-1.493	0.000
1800.2	-0.929	34.907	1474.4	28.075	28.959	-1.009	28.079	-1.692	-0.001
1850.1	-0.931	34.908	1475.2	28.076	28.979	-1.014	28.079	-1.879	-0.002
1900.1	-0.928	34.909	1476.1	28.076	29.003	-1.014	28.080	-2.063	-0.003
1950.0	-0.940	34.908	1476.9	28.076	29.012	-1.029	28.080	-2.247	-0.004
2000.1	-0.942	34.909	1477.7	28.077	29.031	-1.034	28.081	-2.412	-0.005
2050.1	-0.946	34.908	1478.5	28.076	29.047	-1.041	28.080	-2.490	-0.006
2100.0	-0.952	34.907	1479.4	28.076	29.062	-1.050	28.080	-2.653	-0.007
2150.0	-0.957	34.908	1480.2	28.076	29.078	-1.059	28.081	-2.826	-0.009
2200.1	-0.965	34.906	1481.0	28.076	29.090	-1.070	28.080	-2.946	-0.010
2250.1	-0.972	34.906	1481.8	28.076	29.104	-1.080	28.081	-3.117	-0.012
2300.0	-0.979	34.905	1482.6	28.075	29.117	-1.090	28.080	-3.216	-0.013
2350.0	-0.987	34.904	1483.4	28.075	29.130	-1.101	28.079	-3.328	-0.015
2400.0	-0.997	34.903	1484.2	28.074	29.140	-1.115	28.079	-3.499	-0.017
2450.0	-1.011	34.901	1485.0	28.073	29.147	-1.132	28.079	-3.643	-0.018
2500.0	-1.031	34.899	1485.8	28.073	29.148	-1.155	28.078	-3.838	-0.020
2550.0	-1.041	34.897	1486.6	28.072	29.157	-1.168	28.077	-3.935	-0.022
2600.0	-1.047	34.898	1487.4	28.072	29.172	-1.178	28.078	-4.149	-0.024

STA. 023S 72-41.8N 007-26.3W 08/13/90 13.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 018/010, AIR TEMP. 9.4° C, DEW PT 8.9°C, DEPTH 2845 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.654	31.756	1469.2	25.031	31.185	5.654	25.031	291.801	0.006
3.1	5.652	31.758	1469.3	25.032	31.185	5.652	25.033	291.685	0.009
5.1	5.573	31.788	1469.0	25.065	31.147	5.573	25.066	288.547	0.015
7.0	5.507	31.811	1468.8	25.091	31.113	5.507	25.091	286.135	0.020
9.4	5.333	32.120	1468.5	25.356	31.240	5.332	25.356	260.981	0.027
11.0	2.323	32.765	1456.7	26.156	29.262	2.322	26.157	184.845	0.031
13.0	1.576	33.870	1454.9	27.097	29.517	1.576	27.098	95.530	0.034
15.2	0.642	33.452	1450.2	26.822	28.406	0.642	26.822	121.626	0.036
17.0	0.860	33.625	1451.4	26.948	28.722	0.859	26.949	109.666	0.038
19.0	0.087	33.855	1448.3	27.177	28.251	0.086	27.177	87.952	0.040
21.1	0.041	33.809	1448.0	27.142	28.179	0.040	27.143	91.216	0.042
23.1	-0.646	33.930	1445.0	27.272	27.698	-0.646	27.272	78.898	0.044
25.0	-0.631	34.057	1445.3	27.374	27.805	-0.632	27.374	69.230	0.045
27.0	-0.580	34.165	1445.7	27.459	27.929	-0.581	27.460	61.118	0.047
29.1	-0.568	34.203	1445.9	27.490	27.968	-0.569	27.490	58.250	0.048
31.0	-0.484	34.277	1446.4	27.546	28.095	-0.485	27.546	52.951	0.049
35.0	-0.345	34.388	1447.2	27.629	28.296	-0.346	27.629	45.118	0.051
40.0	-0.225	34.486	1448.0	27.702	28.473	-0.226	27.702	38.178	0.053
45.0	0.203	34.611	1450.2	27.781	28.933	0.201	27.781	30.778	0.055
50.0	-0.274	34.606	1448.1	27.802	28.526	-0.275	27.802	28.716	0.056
60.1	-0.146	34.695	1449.0	27.867	28.706	-0.148	27.868	22.524	0.059
70.0	0.187	34.758	1450.8	27.900	29.043	0.185	27.901	19.468	0.061
80.1	0.410	34.802	1452.0	27.923	29.272	0.407	27.923	17.400	0.063
90.1	0.583	34.833	1453.0	27.937	29.449	0.579	27.938	16.081	0.064
100.0	0.716	34.862	1453.8	27.952	29.591	0.712	27.953	14.699	0.066
110.0	0.747	34.874	1454.1	27.960	29.632	0.742	27.961	13.996	0.067
120.0	0.813	34.890	1454.6	27.969	29.705	0.807	27.969	13.216	0.069
130.0	0.831	34.897	1454.8	27.973	29.732	0.826	27.974	12.831	0.070
140.1	0.850	34.900	1455.1	27.975	29.755	0.844	27.975	12.712	0.071
150.0	0.772	34.898	1454.9	27.978	29.691	0.766	27.979	12.359	0.072
160.0	0.678	34.895	1454.6	27.982	29.612	0.672	27.983	11.988	0.074
170.0	0.628	34.895	1454.6	27.984	29.573	0.621	27.985	11.745	0.075
180.0	0.579	34.895	1454.5	27.988	29.536	0.572	27.989	11.400	0.076
190.0	0.549	34.897	1454.6	27.991	29.516	0.541	27.992	11.073	0.077
200.1	0.521	34.897	1454.6	27.993	29.496	0.513	27.994	10.953	0.078
220.0	0.465	34.897	1454.7	27.996	29.457	0.456	27.997	10.619	0.080
240.1	0.369	34.894	1454.5	28.000	29.381	0.359	28.001	10.251	0.083
260.0	0.339	34.898	1454.7	28.004	29.367	0.329	28.006	9.787	0.085
280.0	0.226	34.892	1454.5	28.006	29.275	0.215	28.007	9.543	0.086
300.0	0.088	34.888	1454.2	28.011	29.162	0.076	28.012	8.995	0.088
320.0	0.061	34.889	1454.4	28.013	29.149	0.048	28.014	8.778	0.090
340.0	0.028	34.889	1454.6	28.015	29.130	0.015	28.016	8.574	0.092
360.0	-0.023	34.890	1454.7	28.018	29.096	-0.037	28.019	8.230	0.093
380.0	-0.058	34.888	1454.9	28.019	29.073	-0.073	28.020	8.115	0.095
400.0	-0.086	34.889	1455.1	28.021	29.059	-0.102	28.022	7.858	0.097
450.0	-0.219	34.887	1455.3	28.026	28.966	-0.236	28.027	7.227	0.100
500.0	-0.303	34.889	1455.7	28.032	28.918	-0.322	28.033	6.516	0.104
550.0	-0.417	34.887	1456.0	28.036	28.843	-0.437	28.037	5.930	0.107
600.0	-0.488	34.888	1456.5	28.040	28.805	-0.510	28.042	5.318	0.110
650.0	-0.518	34.892	1457.2	28.045	28.804	-0.543	28.046	4.780	0.112
700.0	-0.511	34.899	1458.0	28.050	28.838	-0.538	28.052	4.210	0.115
750.0	-0.541	34.902	1458.7	28.054	28.837	-0.570	28.056	3.732	0.117
800.0	-0.619	34.900	1459.2	28.056	28.791	-0.649	28.058	3.267	0.118
850.0	-0.613	34.904	1460.0	28.059	28.821	-0.646	28.060	2.964	0.120
900.0	-0.626	34.908	1460.8	28.062	28.835	-0.661	28.064	2.487	0.121
950.0	-0.644	34.908	1461.6	28.064	28.842	-0.681	28.066	2.226	0.122
1000.0	-0.695	34.907	1462.1	28.064	28.819	-0.734	28.067	1.925	0.123

STA. 023D 72-41.7N 007-26.5W 08/13/90 13.1 HRS GMT, 776 RECORDS  
WIND KNOTS/DIR 018/010, AIR TEMP. 9.4° C, DEN PT 8.9°C, DEPTH 2845 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DEPTH DYN M
1005.0	-0.697	34.907	1462.2	28.065	28.820	-0.737	28.067	1.849	0.000
1050.0	-0.734	34.907	1462.8	28.066	28.808	-0.775	28.069	1.529	0.001
1100.1	-0.773	34.906	1463.4	28.067	28.796	-0.816	28.070	1.217	0.001
1150.1	-0.802	34.905	1464.1	28.068	28.792	-0.847	28.070	0.963	0.002
1200.0	-0.831	34.906	1464.8	28.070	28.789	-0.878	28.072	0.615	0.002
1250.0	-0.855	34.905	1465.5	28.070	28.789	-0.905	28.073	0.365	0.003
1300.1	-0.872	34.905	1466.3	28.071	28.797	-0.924	28.074	0.117	0.003
1350.0	-0.875	34.907	1467.1	28.073	28.817	-0.930	28.075	-0.171	0.003
1400.1	-0.901	34.905	1467.8	28.072	28.815	-0.958	28.075	-0.332	0.003
1450.0	-0.921	34.904	1468.6	28.072	28.818	-0.980	28.075	-0.537	0.002
1500.0	-0.935	34.904	1469.3	28.073	28.827	-0.997	28.076	-0.769	0.002
1550.1	-0.945	34.905	1470.1	28.073	28.840	-1.010	28.077	-1.016	0.002
1600.0	-0.957	34.904	1470.9	28.074	28.851	-1.024	28.077	-1.227	0.001
1650.0	-0.961	34.904	1471.7	28.074	28.868	-1.032	28.077	-1.362	0.000
1700.0	-0.968	34.905	1472.5	28.075	28.884	-1.041	28.079	-1.648	0.000
1750.1	-0.973	34.905	1473.4	28.075	28.900	-1.049	28.078	-1.769	-0.001
1800.1	-0.975	34.906	1474.2	28.076	28.919	-1.054	28.079	-1.996	-0.002
1850.1	-0.973	34.907	1475.0	28.076	28.943	-1.055	28.080	-2.176	-0.003
1900.1	-0.975	34.907	1475.9	28.077	28.961	-1.060	28.081	-2.344	-0.004
1950.1	-0.979	34.907	1476.7	28.077	28.978	-1.067	28.081	-2.491	-0.005
2000.1	-0.983	34.906	1477.5	28.076	28.994	-1.074	28.080	-2.574	-0.007
2050.1	-0.985	34.906	1478.4	28.076	29.013	-1.080	28.080	-2.724	-0.008
2100.0	-0.992	34.905	1479.2	28.076	29.026	-1.090	28.080	-2.871	-0.009
2150.1	-1.011	34.903	1479.9	28.075	29.029	-1.111	28.079	-2.996	-0.011
2200.1	-1.014	34.903	1480.8	28.075	29.046	-1.118	28.079	-3.150	-0.013
2250.0	-1.019	34.902	1481.6	28.075	29.061	-1.126	28.079	-3.288	-0.014
2300.1	-1.020	34.902	1482.4	28.074	29.080	-1.130	28.079	-3.412	-0.016
2350.0	-1.020	34.902	1483.3	28.074	29.100	-1.134	28.079	-3.531	-0.018
2400.1	-1.021	34.901	1484.1	28.074	29.118	-1.138	28.079	-3.612	-0.019
2450.2	-1.020	34.901	1485.0	28.074	29.139	-1.141	28.079	-3.736	-0.021
2500.1	-1.025	34.901	1485.8	28.073	29.154	-1.149	28.079	-3.859	-0.023
2550.0	-1.035	34.899	1486.6	28.073	29.163	-1.162	28.078	-3.975	-0.025
2554.0	-1.036	34.899	1486.7	28.072	29.164	-1.164	28.078	-3.971	-0.025



STA. 024 72-10.8N 008-29.6W 08/13/90 18.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 030/000, AIR TEMP. 6.1° C, DEW PT 3.9°C, DEPTH 2600 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	6.550	33.031	1474.4	25.927	33.093	6.550	25.927	206.621	0.004
3.0	6.550	33.028	1474.4	25.925	33.091	6.550	25.925	206.842	0.006
5.1	6.547	33.054	1474.5	25.946	33.113	6.547	25.946	204.838	0.010
7.0	6.535	33.117	1474.5	25.997	33.161	6.535	25.998	200.012	0.014
9.0	6.499	33.339	1474.7	26.176	33.329	6.498	26.177	183.016	0.018
11.0	6.294	33.498	1474.1	26.329	33.293	6.293	26.329	168.573	0.022
13.0	5.883	33.623	1472.7	26.479	33.043	5.882	26.480	154.319	0.025
15.0	5.062	33.854	1469.7	26.759	32.522	5.061	26.760	127.709	0.028
17.0	4.042	34.215	1466.0	27.157	31.934	4.041	27.158	89.999	0.030
19.0	3.657	34.316	1464.6	27.277	31.681	3.656	27.277	78.682	0.032
21.0	3.326	34.421	1463.3	27.392	31.478	3.324	27.393	67.718	0.033
23.0	2.928	34.415	1461.7	27.424	31.126	2.927	27.425	64.657	0.034
25.0	2.624	34.481	1460.5	27.504	30.914	2.622	27.505	57.110	0.036
27.0	2.499	34.495	1460.0	27.526	30.817	2.497	27.526	55.065	0.037
29.0	2.401	34.506	1459.6	27.543	30.742	2.399	27.544	53.430	0.038
31.1	2.130	34.517	1458.5	27.574	30.516	2.129	27.575	50.489	0.039
35.1	1.775	34.538	1457.0	27.619	30.226	1.774	27.619	46.245	0.041
40.0	1.346	34.551	1455.2	27.660	29.867	1.344	27.661	42.277	0.043
45.0	0.988	34.580	1453.7	27.708	29.583	0.986	27.709	37.731	0.045
50.0	0.756	34.594	1452.8	27.735	29.397	0.754	27.735	35.204	0.047
60.3	0.171	34.654	1450.4	27.818	28.946	0.168	27.818	27.273	0.050
70.0	-0.035	34.704	1449.7	27.868	28.812	-0.037	27.869	22.432	0.052
80.0	-0.229	34.737	1449.0	27.905	28.676	-0.232	27.906	18.901	0.055
90.0	-0.265	34.763	1449.0	27.928	28.669	-0.268	27.929	16.704	0.056
100.0	-0.372	34.785	1448.7	27.951	28.599	-0.376	27.952	14.484	0.058
110.0	-0.464	34.793	1448.5	27.962	28.532	-0.467	27.962	13.455	0.059
120.0	-0.525	34.800	1448.3	27.970	28.489	-0.529	27.971	12.624	0.061
130.0	-0.571	34.807	1448.3	27.978	28.460	-0.575	27.979	11.865	0.062
140.1	-0.583	34.815	1448.4	27.986	28.461	-0.587	27.986	11.122	0.063
150.0	-0.619	34.821	1448.4	27.992	28.439	-0.623	27.992	10.523	0.064
160.0	-0.586	34.831	1448.8	27.998	28.478	-0.591	27.999	9.885	0.065
170.0	-0.593	34.833	1448.9	28.001	28.479	-0.599	28.001	9.633	0.066
180.0	-0.619	34.840	1448.9	28.007	28.466	-0.625	28.008	9.015	0.067
190.1	-0.590	34.847	1449.2	28.012	28.501	-0.596	28.013	8.541	0.068
200.1	-0.588	34.853	1449.4	28.016	28.512	-0.594	28.017	8.107	0.069
220.1	-0.400	34.874	1450.7	28.025	28.697	-0.408	28.025	7.408	0.070
240.1	-0.501	34.875	1450.5	28.030	28.621	-0.509	28.031	6.794	0.072
260.1	-0.446	34.881	1451.1	28.032	28.682	-0.455	28.033	6.591	0.073
280.2	-0.372	34.888	1451.8	28.034	28.759	-0.382	28.035	6.437	0.074
300.0	-0.417	34.888	1451.9	28.037	28.730	-0.427	28.038	6.157	0.076
320.0	-0.407	34.890	1452.3	28.038	28.749	-0.419	28.039	6.014	0.077
340.0	-0.360	34.897	1452.8	28.041	28.803	-0.373	28.042	5.733	0.078
360.1	-0.401	34.896	1453.0	28.042	28.777	-0.414	28.043	5.588	0.079
380.0	-0.419	34.896	1453.2	28.043	28.770	-0.433	28.044	5.444	0.080
400.0	-0.449	34.895	1453.4	28.043	28.752	-0.464	28.045	5.355	0.081
450.1	-0.540	34.891	1453.8	28.045	28.695	-0.556	28.046	5.068	0.084
500.0	-0.543	34.897	1454.6	28.049	28.719	-0.561	28.051	4.523	0.086
550.1	-0.573	34.896	1455.3	28.050	28.716	-0.592	28.052	4.324	0.089
600.0	-0.561	34.900	1456.2	28.053	28.752	-0.583	28.055	3.979	0.091
650.0	-0.636	34.898	1456.6	28.055	28.708	-0.660	28.056	3.639	0.093
700.0	-0.636	34.900	1457.5	28.057	28.732	-0.662	28.058	3.339	0.094
750.0	-0.674	34.900	1458.1	28.058	28.722	-0.702	28.060	3.060	0.096
800.0	-0.690	34.901	1458.9	28.060	28.732	-0.720	28.062	2.739	0.097
850.7	-0.697	34.904	1459.7	28.063	28.750	-0.729	28.064	2.378	0.099
900.0	-0.717	34.905	1460.4	28.064	28.755	-0.751	28.066	2.119	0.100
950.0	-0.729	34.906	1461.2	28.066	28.768	-0.765	28.068	1.806	0.101
1000.0	-0.735	34.908	1462.0	28.067	28.786	-0.774	28.070	1.530	0.102

STA. 025 71-52.6N 009-40.0W 08/13/90 23.1 HRS GMT, 994 RECORDS  
WIND KNOTS/DIR 030/340, AIR TEMP. 5.6° C, DEW PT 5.6°C, DEPTH 2475 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
8.0	5.263	31.759	1467.8	25.078	30.864	5.262	25.078	287.409	0.023
9.0	5.255	31.811	1467.8	25.119	30.903	5.255	25.120	283.466	0.026
11.0	5.209	31.991	1467.9	25.267	31.023	5.208	25.268	269.395	0.031
13.0	4.645	32.564	1466.3	25.783	31.047	4.644	25.783	220.378	0.036
15.1	3.654	32.933	1462.7	26.175	30.521	3.653	26.176	183.099	0.040
17.1	2.088	32.967	1456.0	26.336	29.232	2.087	26.337	167.744	0.044
19.0	1.651	33.388	1454.7	26.705	29.202	1.650	26.706	132.713	0.047
21.5	0.432	33.455	1449.4	26.836	28.237	0.432	26.837	120.253	0.050
23.0	1.727	33.893	1455.8	27.105	29.668	1.725	27.106	94.819	0.051
25.0	2.391	33.901	1458.7	27.060	30.244	2.390	27.060	99.173	0.053
27.0	1.289	34.015	1454.1	27.233	29.393	1.288	27.234	82.663	0.055
29.3	1.174	34.136	1453.7	27.339	29.391	1.173	27.339	72.670	0.057
31.0	0.988	34.153	1452.9	27.364	29.245	0.986	27.365	70.247	0.058
35.0	0.872	34.271	1452.7	27.467	29.240	0.870	27.467	60.547	0.061
40.0	0.136	34.338	1449.5	27.564	28.667	0.134	27.564	51.271	0.064
45.0	0.257	34.431	1450.2	27.633	28.844	0.256	27.633	44.767	0.066
50.0	0.045	34.472	1449.4	27.677	28.697	0.043	27.678	40.524	0.068
60.0	-0.235	34.587	1448.4	27.784	28.550	-0.237	27.785	30.356	0.072
70.0	-0.227	34.640	1448.7	27.827	28.600	-0.230	27.827	26.339	0.074
80.2	-0.261	34.672	1448.8	27.855	28.600	-0.264	27.855	23.688	0.077
90.1	-0.221	34.706	1449.1	27.880	28.664	-0.224	27.880	21.308	0.079
100.0	-0.084	34.742	1450.0	27.902	28.813	-0.088	27.903	19.207	0.081
110.0	0.128	34.787	1451.2	27.927	29.033	0.124	27.928	16.929	0.083
120.0	0.187	34.799	1451.6	27.933	29.097	0.182	27.934	16.354	0.085
130.0	0.293	34.821	1452.3	27.945	29.209	0.288	27.946	15.299	0.086
140.0	0.204	34.829	1452.1	27.957	29.143	0.198	27.957	14.156	0.088
150.0	0.211	34.839	1452.3	27.964	29.162	0.205	27.965	13.482	0.089
160.1	0.299	34.853	1452.9	27.970	29.252	0.292	27.971	12.915	0.090
170.0	0.388	34.864	1453.5	27.974	29.342	0.381	27.975	12.600	0.092
180.0	0.369	34.868	1453.5	27.978	29.334	0.362	27.979	12.205	0.093
190.0	0.362	34.869	1453.7	27.979	29.333	0.354	27.980	12.110	0.094
200.1	0.385	34.879	1453.9	27.987	29.365	0.377	27.988	11.456	0.095
220.1	0.398	34.887	1454.3	27.992	29.392	0.389	27.993	10.981	0.098
240.0	0.359	34.888	1454.5	27.995	29.368	0.350	27.996	10.670	0.100
260.0	0.361	34.892	1454.8	27.998	29.382	0.350	27.999	10.376	0.102
280.1	0.236	34.892	1454.8	28.003	29.327	0.275	28.004	9.918	0.104
300.0	0.234	34.891	1454.9	28.005	29.290	0.222	28.006	9.689	0.106
320.0	0.167	34.887	1454.9	28.006	29.238	0.154	28.007	9.548	0.108
340.0	0.105	34.888	1455.0	28.010	29.195	0.092	28.011	9.108	0.110
360.0	0.075	34.889	1455.2	28.012	29.179	0.061	28.013	8.887	0.111
380.1	0.037	34.889	1455.3	28.014	29.155	0.022	28.015	8.649	0.113
400.1	0.001	34.889	1455.5	28.016	29.133	-0.015	28.017	8.455	0.115
450.0	-0.096	34.887	1455.8	28.020	29.071	-0.114	28.021	7.969	0.119
500.0	-0.153	34.890	1456.4	28.025	29.048	-0.172	28.026	7.372	0.123
550.0	-0.203	34.891	1457.0	28.028	29.028	-0.225	28.030	6.956	0.126
600.0	-0.273	34.891	1457.5	28.032	28.990	-0.297	28.034	6.456	0.130
650.2	-0.322	34.894	1458.1	28.037	28.973	-0.348	28.039	5.828	0.133
700.0	-0.388	34.896	1458.6	28.041	28.940	-0.416	28.043	5.266	0.136
750.0	-0.442	34.897	1459.2	28.045	28.918	-0.471	28.047	4.744	0.138
800.1	-0.465	34.901	1459.9	28.049	28.923	-0.497	28.051	4.229	0.140
850.0	-0.506	34.903	1460.5	28.053	28.912	-0.539	28.055	3.754	0.142
900.2	-0.529	34.905	1461.3	28.056	28.915	-0.565	28.058	3.351	0.144
950.1	-0.567	34.906	1461.9	28.058	28.906	-0.604	28.060	2.976	0.146
1000.0	-0.586	34.907	1462.7	28.060	28.912	-0.626	28.063	2.611	0.147



STA. 026 71-27.8N 010-47.8W 08/14/90 3.1 HRS GMT, 999 RECORDS  
WIND KNOTS/DIR 014/040, AIR TEMP. 5.0° C, DEW PT 4.4° C, DEPTH 1820 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
3.0	2.535	31.237	1455.5	24.919	28.189	2.535	24.919	302.481	0.009
5.2	2.538	31.246	1455.6	24.926	28.200	2.538	24.926	301.814	0.016
7.0	2.531	31.241	1455.6	24.922	28.190	2.531	24.922	302.182	0.021
9.1	2.488	31.409	1455.6	25.060	28.295	2.488	25.060	289.047	0.027
11.1	2.636	32.436	1457.6	25.868	29.255	2.636	25.869	212.179	0.033
13.0	3.265	33.609	1461.9	26.750	30.751	3.265	26.751	128.522	0.036
15.0	2.985	33.723	1460.9	26.867	30.605	2.985	26.868	117.434	0.038
17.0	2.855	33.809	1460.5	26.947	30.564	2.854	26.948	109.847	0.040
19.2	2.742	33.866	1460.1	27.002	30.515	2.741	27.003	104.607	0.043
21.0	2.753	33.921	1460.2	27.045	30.569	2.751	27.045	100.599	0.044
23.0	2.813	34.027	1460.7	27.125	30.709	2.812	27.125	93.052	0.046
25.0	2.837	34.042	1460.8	27.135	30.743	2.836	27.135	92.117	0.048
27.0	2.957	34.115	1461.5	27.182	30.907	2.956	27.183	87.637	0.050
29.0	2.898	34.161	1461.3	27.224	30.895	2.897	27.225	83.660	0.052
31.1	2.642	34.283	1460.4	27.344	30.773	2.640	27.345	72.275	0.053
35.1	2.282	34.320	1459.0	27.404	30.491	2.280	27.405	66.625	0.056
40.1	2.084	34.295	1458.1	27.399	30.302	2.082	27.400	67.057	0.059
45.1	1.283	34.410	1454.8	27.551	29.705	1.281	27.552	52.620	0.062
50.0	1.070	34.437	1454.0	27.588	29.546	1.068	27.589	49.126	0.065
60.1	0.365	34.507	1451.1	27.688	29.000	0.363	27.688	39.586	0.069
70.0	0.265	34.581	1450.9	27.753	28.975	0.262	27.754	33.376	0.073
80.0	0.683	34.707	1453.1	27.830	29.435	0.679	27.831	26.192	0.076
90.1	1.184	34.794	1455.6	27.867	29.939	1.179	27.868	22.863	0.078
100.3	0.573	34.791	1453.1	27.905	29.414	0.569	27.905	19.176	0.080
110.1	0.667	34.813	1453.7	27.917	29.517	0.663	27.917	18.077	0.082
120.0	0.692	34.826	1454.0	27.925	29.552	0.687	27.925	17.331	0.084
130.1	0.718	34.844	1454.3	27.938	29.593	0.713	27.939	16.115	0.086
140.0	0.610	34.852	1453.9	27.951	29.511	0.604	27.952	14.817	0.087
150.0	0.773	34.869	1454.9	27.954	29.669	0.767	27.955	14.621	0.089
160.0	0.713	34.869	1454.8	27.959	29.622	0.706	27.959	14.213	0.090
170.1	0.718	34.874	1455.0	27.962	29.635	0.710	27.963	13.859	0.091
180.1	0.747	34.881	1455.3	27.966	29.670	0.739	27.967	13.574	0.093
190.0	0.808	34.889	1455.7	27.968	29.733	0.799	27.969	13.394	0.094
200.0	0.746	34.888	1455.6	27.971	29.683	0.738	27.972	13.097	0.095
220.1	0.672	34.886	1455.6	27.975	29.627	0.663	27.976	12.765	0.098
240.0	0.600	34.892	1455.6	27.984	29.579	0.590	27.985	11.863	0.101
260.0	0.571	34.897	1455.8	27.990	29.566	0.560	27.991	11.333	0.103
280.1	0.496	34.896	1455.8	27.994	29.510	0.484	27.995	10.923	0.105
300.0	0.476	34.898	1456.0	27.996	29.504	0.464	27.998	10.691	0.107
320.0	0.387	34.895	1455.9	27.999	29.434	0.374	28.000	10.401	0.109
340.0	0.361	34.898	1456.1	28.003	29.422	0.347	28.004	10.017	0.111
360.0	0.324	34.900	1456.3	28.007	29.401	0.309	28.008	9.646	0.113
380.1	0.222	34.897	1456.2	28.010	29.320	0.206	28.011	9.226	0.115
400.0	0.190	34.897	1456.3	28.013	29.302	0.173	28.014	8.975	0.117
450.0	0.036	34.889	1456.4	28.014	29.186	0.018	28.016	8.622	0.121
500.0	-0.021	34.894	1457.0	28.022	29.164	-0.041	28.023	7.864	0.125
550.1	-0.075	34.895	1457.6	28.025	29.141	-0.097	28.027	7.458	0.129
600.1	-0.172	34.896	1458.0	28.031	29.080	-0.196	28.032	6.735	0.133
650.1	-0.230	34.900	1458.5	28.037	29.056	-0.256	28.039	6.014	0.136
700.0	-0.279	34.902	1459.1	28.041	29.039	-0.307	28.043	5.497	0.139
750.3	-0.329	34.903	1459.7	28.044	29.018	-0.359	28.046	5.041	0.142
800.1	-0.401	34.902	1460.2	28.047	28.978	-0.433	28.049	4.583	0.144
850.0	-0.450	34.904	1460.8	28.051	28.960	-0.483	28.053	4.060	0.146
900.1	-0.488	34.905	1461.5	28.053	28.950	-0.524	28.055	3.670	0.148
950.0	-0.531	34.907	1462.1	28.057	28.937	-0.569	28.059	3.137	0.150
1000.0	-0.541	34.909	1462.9	28.059	28.951	-0.582	28.061	2.844	0.151



STA. 027 71- 0.8N 012- 0.4W 08/14/90 10.1 HRS GMT, 852 RECORDS  
WIND KNOTS/DIR 021/355, AIR TEMP. 7.2° C, DEW PT 6.1°C, DEPTH 900 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	5.189	34.593	1470.9	27.330	33.269	5.189	27.331	73.463	0.001
3.5	5.191	34.593	1471.0	27.330	33.272	5.191	27.330	73.515	0.003
5.0	5.193	34.593	1471.0	27.329	33.274	5.193	27.330	73.571	0.004
7.0	5.193	34.592	1471.1	27.329	33.275	5.192	27.330	73.629	0.005
9.0	5.189	34.593	1471.1	27.330	33.273	5.189	27.330	73.580	0.007
11.0	5.191	34.592	1471.1	27.329	33.275	5.190	27.330	73.662	0.008
13.0	5.178	34.594	1471.1	27.332	33.266	5.177	27.333	73.384	0.010
15.0	5.187	34.593	1471.2	27.331	33.274	5.185	27.331	73.574	0.011
17.0	5.193	34.593	1471.2	27.330	33.280	5.192	27.330	73.702	0.013
19.1	5.192	34.590	1471.3	27.328	33.278	5.191	27.328	73.917	0.014
21.0	5.178	34.592	1471.2	27.331	33.267	5.176	27.331	73.657	0.015
23.1	4.686	34.521	1469.2	27.331	32.767	4.684	27.331	73.634	0.017
25.0	3.593	34.581	1464.7	27.494	31.848	3.592	27.494	58.166	0.018
27.0	3.064	34.549	1462.5	27.519	31.356	3.062	27.520	55.725	0.019
29.0	2.392	34.564	1459.7	27.590	30.780	2.390	27.591	48.990	0.020
31.1	1.616	34.592	1456.3	27.674	30.128	1.614	27.674	41.026	0.021
35.0	1.214	34.614	1454.6	27.720	29.800	1.213	27.720	36.632	0.023
40.0	0.910	34.628	1453.4	27.752	29.551	0.908	27.752	33.606	0.025
45.2	0.375	34.642	1451.1	27.796	29.105	0.374	27.796	29.363	0.026
50.0	0.219	34.659	1450.5	27.819	28.987	0.217	27.819	27.167	0.028
60.0	-0.008	34.672	1449.6	27.841	28.806	-0.010	27.842	24.988	0.030
70.0	-0.506	34.704	1447.5	27.892	28.411	-0.509	27.893	20.088	0.032
80.0	-0.617	34.719	1447.2	27.909	28.332	-0.620	27.909	18.472	0.034
90.0	-0.669	34.721	1447.1	27.913	28.295	-0.672	27.914	18.005	0.036
100.0	-0.714	34.732	1447.0	27.924	28.269	-0.717	27.925	16.973	0.038
110.0	-0.691	34.742	1447.3	27.931	28.301	-0.694	27.932	16.288	0.040
120.0	-0.602	34.765	1447.9	27.946	28.398	-0.606	27.946	14.916	0.041
130.1	-0.411	34.790	1449.0	27.957	28.584	-0.415	27.958	13.888	0.043
140.0	-0.332	34.799	1449.6	27.960	28.662	-0.337	27.961	13.613	0.044
150.0	-0.227	34.811	1450.2	27.965	28.766	-0.232	27.966	13.189	0.045
160.0	-0.091	34.832	1451.0	27.975	28.902	-0.097	27.976	12.296	0.047
170.0	-0.028	34.838	1451.5	27.977	28.965	-0.035	27.977	12.180	0.048
180.0	0.143	34.859	1452.5	27.984	29.132	0.137	27.985	11.579	0.049
190.0	0.166	34.863	1452.8	27.986	29.160	0.158	27.987	11.372	0.050
200.0	0.271	34.877	1453.4	27.992	29.265	0.263	27.992	10.923	0.051
220.0	0.279	34.882	1453.8	27.995	29.285	0.270	27.996	10.613	0.053
240.0	0.366	34.892	1454.5	27.998	29.377	0.357	27.999	10.401	0.055
260.0	0.388	34.902	1455.0	28.005	29.413	0.378	28.006	9.776	0.057
280.0	0.338	34.900	1455.1	28.006	29.378	0.327	28.008	9.621	0.059
300.0	0.280	34.902	1455.1	28.011	29.338	0.268	28.012	9.158	0.061
320.0	0.242	34.903	1455.3	28.014	29.316	0.230	28.016	8.814	0.063
340.0	0.213	34.903	1455.5	28.016	29.299	0.199	28.017	8.643	0.065
360.0	0.151	34.905	1455.5	28.021	29.257	0.137	28.022	8.104	0.067
380.0	0.129	34.906	1455.8	28.023	29.248	0.114	28.024	7.930	0.068
400.0	0.068	34.904	1455.8	28.025	29.202	0.052	28.026	7.683	0.070
450.0	-0.039	34.902	1456.1	28.029	29.132	-0.057	28.030	7.182	0.073
500.0	-0.149	34.904	1456.4	28.036	29.061	-0.169	28.037	6.354	0.077
550.0	-0.223	34.904	1456.9	28.040	29.021	-0.245	28.042	5.804	0.080
600.1	-0.273	34.904	1457.5	28.043	29.001	-0.296	28.044	5.442	0.083
650.1	-0.348	34.904	1458.0	28.047	28.959	-0.373	28.048	4.911	0.085
700.0	-0.438	34.904	1458.4	28.050	28.904	-0.465	28.052	4.319	0.088
750.0	-0.488	34.904	1459.0	28.053	28.884	-0.517	28.055	3.916	0.090
800.1	-0.559	34.905	1459.5	28.057	28.846	-0.590	28.059	3.269	0.091
850.0	-0.597	34.906	1460.1	28.060	28.836	-0.630	28.062	2.902	0.093
851.0	-0.597	34.907	1460.1	28.060	28.837	-0.630	28.062	2.842	0.093

STA. 028S 71-20.7N 009- 4.3W 08/14/90 18.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 005/050, AIR TEMP. 7.2° C, DEW PT 6.1°C, DEPTH 2200 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	5.800	33.510	1472.0	26.400	32.864	5.800	26.400	161.696	0.003
3.0	5.781	33.509	1472.0	26.401	32.847	5.781	26.401	161.609	0.005
5.1	5.732	33.515	1471.8	26.412	32.810	5.731	26.413	160.565	0.008
7.1	5.598	33.564	1471.4	26.467	32.737	5.598	26.467	155.399	0.011
9.0	5.496	33.626	1471.1	26.528	32.703	5.495	26.529	149.577	0.014
11.0	5.108	33.603	1469.5	26.555	32.343	5.107	26.556	147.043	0.017
13.1	1.749	33.860	1455.7	27.077	28.657	1.748	27.078	97.468	0.020
15.1	1.230	33.979	1453.5	27.209	29.309	1.230	27.209	84.955	0.022
17.0	1.083	34.129	1453.1	27.339	29.301	1.082	27.339	72.646	0.023
19.0	0.488	34.171	1450.5	27.409	28.829	0.487	27.410	65.930	0.025
21.0	0.232	34.212	1449.4	27.457	28.645	0.231	27.458	61.369	0.026
23.0	-0.078	34.255	1448.1	27.508	28.417	-0.079	27.509	56.530	0.027
25.1	0.031	34.365	1448.8	27.591	28.592	0.031	27.592	48.702	0.028
27.0	0.355	34.448	1450.4	27.640	28.932	0.354	27.641	44.055	0.029
29.0	0.399	34.469	1450.7	27.655	28.986	0.398	27.656	42.640	0.030
31.0	0.233	34.489	1450.0	27.681	28.861	0.232	27.681	40.232	0.031
35.0	0.065	34.520	1449.3	27.715	28.743	0.064	27.716	36.957	0.032
40.1	-0.150	34.562	1448.5	27.760	28.594	-0.151	27.761	32.688	0.034
45.0	-0.183	34.593	1448.4	27.787	28.591	-0.184	27.787	30.158	0.036
50.0	-0.189	34.603	1448.5	27.795	28.596	-0.191	27.796	29.322	0.037
60.0	-0.145	34.654	1448.9	27.834	28.676	-0.148	27.835	25.646	0.040
70.1	0.355	34.750	1451.5	27.884	29.181	0.353	27.885	21.009	0.042
80.0	0.214	34.777	1451.1	27.914	29.085	0.211	27.915	18.155	0.044
90.1	0.456	34.810	1452.4	27.927	29.323	0.452	27.928	17.016	0.046
100.1	0.774	34.844	1454.0	27.935	29.628	0.770	27.936	16.369	0.048
110.1	0.969	34.876	1455.1	27.947	29.826	0.964	27.948	15.289	0.049
120.1	0.646	34.857	1453.8	27.953	29.536	0.641	27.954	14.651	0.051
130.1	0.850	34.883	1454.9	27.961	29.737	0.844	27.962	13.998	0.052
140.0	0.823	34.881	1455.0	27.961	29.717	0.817	27.962	13.960	0.054
150.4	0.776	34.885	1454.9	27.967	29.685	0.770	27.968	13.338	0.055
160.0	0.802	34.890	1455.2	27.970	29.715	0.795	27.971	13.169	0.056
170.1	0.712	34.884	1454.9	27.971	29.638	0.705	27.972	13.056	0.058
180.0	0.587	34.882	1454.5	27.977	29.533	0.580	27.978	12.452	0.059
190.0	0.505	34.881	1454.3	27.981	29.465	0.497	27.982	12.023	0.060
200.1	0.470	34.884	1454.3	27.985	29.442	0.462	27.986	11.620	0.061
220.0	0.421	34.885	1454.4	27.990	29.410	0.412	27.991	11.212	0.064
240.0	0.378	34.886	1454.6	27.993	29.382	0.368	27.994	10.918	0.066
260.0	0.243	34.881	1454.3	27.996	29.272	0.233	27.997	10.498	0.068
280.0	0.159	34.876	1454.2	27.997	29.205	0.148	27.999	10.324	0.070
300.0	0.180	34.882	1454.6	28.001	29.237	0.168	28.002	10.025	0.072
320.0	0.131	34.883	1454.8	28.004	29.205	0.119	28.005	9.679	0.074
340.0	0.114	34.835	1455.0	28.007	29.200	0.100	28.008	9.409	0.076
360.1	0.098	34.891	1455.3	28.013	29.200	0.083	28.014	8.831	0.078
380.0	0.008	34.888	1455.2	28.015	29.130	-0.006	28.016	8.533	0.079
400.1	0.026	34.891	1455.6	28.016	29.156	0.010	28.018	8.423	0.081
450.1	-0.027	34.893	1456.2	28.021	29.136	-0.044	28.023	7.900	0.085
500.0	-0.100	34.897	1456.7	28.028	29.098	-0.120	28.030	7.153	0.089
550.0	-0.132	34.902	1457.3	28.033	29.097	-0.154	28.035	6.580	0.092
600.0	-0.170	34.903	1458.0	28.036	29.087	-0.194	28.038	6.238	0.096
650.1	-0.259	34.904	1458.4	28.042	29.034	-0.285	28.043	5.536	0.099
700.1	-0.313	34.904	1459.0	28.045	29.011	-0.341	28.047	5.091	0.101
750.0	-0.377	34.905	1459.5	28.049	28.980	-0.406	28.051	4.552	0.104
800.0	-0.449	34.905	1460.0	28.052	28.940	-0.481	28.054	3.995	0.106
850.1	-0.489	34.906	1460.6	28.055	28.929	-0.522	28.057	3.599	0.108
900.0	-0.521	34.906	1461.3	28.056	28.923	-0.557	28.059	3.296	0.109
950.2	-0.551	34.909	1462.0	28.060	28.921	-0.589	28.062	2.856	0.111
1000.0	-0.578	34.909	1462.7	28.061	28.920	-0.618	28.063	2.565	0.112

STA. 028D 71-19.9N 009- 3.2W 08/14/90 18.1 HRS GMT, 574 RECORDS  
WIND KNOTS/DIR 005/050, AIR TEMP. 7.2° C, DEW PT 6.1°C, DEPTH 2200 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1009.0	-0.581	34.910	1462.8	28.062	28.922	-0.622	28.064	2.469	0.000
1050.0	-0.600	34.911	1463.4	28.064	28.925	-0.643	28.066	2.146	0.001
1100.0	-0.620	34.911	1464.2	28.065	28.930	-0.665	28.067	1.911	0.002
1150.0	-0.645	34.913	1464.9	28.067	28.931	-0.692	28.070	1.531	0.003
1200.0	-0.662	34.912	1465.6	28.068	28.938	-0.711	28.070	1.346	0.004
1250.1	-0.690	34.913	1466.3	28.070	28.936	-0.742	28.073	0.964	0.004
1300.0	-0.721	34.913	1467.0	28.071	28.931	-0.775	28.074	0.652	0.005
1350.0	-0.737	34.913	1467.8	28.071	28.938	-0.794	28.074	0.477	0.005
1400.0	-0.760	34.913	1468.5	28.072	28.941	-0.818	28.075	0.182	0.005
1450.1	-0.782	34.913	1469.2	28.073	28.943	-0.844	28.076	-0.102	0.005
1500.1	-0.799	34.912	1470.0	28.073	28.949	-0.863	28.077	-0.286	0.005
1550.1	-0.811	34.912	1470.8	28.074	28.960	-0.878	28.078	-0.518	0.005
1600.0	-0.822	34.912	1471.6	28.074	28.971	-0.891	28.078	-0.662	0.004
1650.1	-0.829	34.911	1472.4	28.074	28.985	-0.901	28.077	-0.753	0.004
1700.0	-0.837	34.911	1473.2	28.074	28.999	-0.912	28.078	-0.950	0.004
1750.1	-0.839	34.911	1474.0	28.074	29.018	-0.917	28.078	-1.078	0.003
1800.0	-0.842	34.911	1474.8	28.074	29.036	-0.923	28.078	-1.195	0.002
1850.1	-0.848	34.910	1475.6	28.074	29.051	-0.932	28.078	-1.337	0.002
1900.0	-0.855	34.910	1476.4	28.074	29.066	-0.942	28.078	-1.471	0.001
1950.1	-0.863	34.909	1477.2	28.074	29.078	-0.953	28.078	-1.599	0.000
2000.0	-0.869	34.909	1478.1	28.074	29.094	-0.962	28.078	-1.776	-0.001
2050.0	-0.882	34.908	1478.8	28.074	29.102	-0.978	28.078	-1.913	-0.001
2100.0	-0.893	34.908	1479.6	28.074	29.112	-0.992	28.078	-2.121	-0.002
2150.0	-0.906	34.907	1480.4	28.074	29.121	-1.008	28.079	-2.324	-0.004
2153.0	-0.907	34.908	1480.5	28.075	29.122	-1.010	28.079	-2.407	-0.004



STA. 029 71-45.7N 007-49.4W 08/15/90 6.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 009/005, AIR TEMP. 7.2° C, DEW PT 6.1°C, DEPTH 2475 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	6.105	32.550	1472.0	25.604	32.275	6.105	25.604	237.306	0.002
3.0	6.111	32.552	1472.1	25.605	32.283	6.111	25.605	237.235	0.007
5.0	6.085	32.550	1472.0	25.606	32.259	6.084	25.607	237.116	0.012
7.1	6.090	32.551	1472.1	25.606	32.265	6.090	25.607	237.148	0.017
9.0	5.926	32.533	1471.4	25.612	32.109	5.925	25.613	236.611	0.021
11.0	5.588	32.549	1470.1	25.665	31.835	5.587	25.666	231.580	0.026
13.0	5.074	32.519	1468.0	25.700	31.371	5.073	25.700	228.271	0.031
15.1	2.541	32.627	1457.5	26.028	29.333	2.540	26.029	196.982	0.035
17.1	0.697	33.022	1449.9	26.473	28.121	0.696	26.473	154.737	0.039
19.0	-0.330	33.331	1445.6	26.774	27.511	-0.331	26.775	126.100	0.041
21.0	-0.469	33.486	1445.2	26.905	27.514	-0.470	26.906	113.657	0.044
23.1	-0.699	33.660	1444.4	27.055	27.454	-0.700	27.056	99.397	0.046
25.0	-0.783	33.774	1444.2	27.151	27.470	-0.784	27.151	90.322	0.048
27.0	-0.706	33.865	1444.7	27.222	27.602	-0.707	27.222	83.627	0.049
29.0	-0.053	34.165	1448.2	27.434	28.372	-0.054	27.435	63.559	0.051
31.1	0.756	34.233	1452.0	27.444	29.110	0.754	27.445	62.672	0.052
35.0	0.112	34.165	1449.1	27.426	28.514	0.110	27.426	64.374	0.055
40.0	-0.211	34.413	1448.0	27.642	28.431	-0.212	27.643	43.807	0.057
45.0	-0.113	34.519	1448.7	27.723	28.595	-0.115	27.724	36.175	0.059
50.0	0.144	34.552	1450.0	27.736	28.841	0.142	27.737	34.950	0.061
60.0	-0.223	34.618	1448.5	27.809	28.584	-0.225	27.810	28.015	0.064
70.0	-0.208	34.691	1448.9	27.867	28.655	-0.211	27.868	22.523	0.067
80.1	-0.134	34.734	1449.4	27.898	28.754	-0.137	27.898	19.631	0.069
90.0	-0.011	34.761	1450.2	27.913	28.885	-0.014	27.914	18.194	0.071
100.0	0.019	34.786	1450.5	27.932	28.934	0.016	27.933	16.406	0.072
110.0	0.223	34.815	1451.7	27.944	29.135	0.218	27.945	15.335	0.074
120.0	0.400	34.842	1452.7	27.956	29.313	0.395	27.956	14.316	0.075
130.0	0.400	34.850	1452.8	27.962	29.324	0.395	27.963	13.711	0.077
140.0	0.454	34.845	1453.2	27.955	29.371	0.448	27.956	14.390	0.078
150.0	0.384	34.854	1453.1	27.966	29.322	0.378	27.967	13.346	0.080
160.0	0.445	34.865	1453.5	27.972	29.388	0.439	27.973	12.852	0.081
170.0	0.392	34.872	1453.5	27.981	29.352	0.385	27.981	12.006	0.082
180.0	0.408	34.876	1453.7	27.983	29.373	0.401	27.984	11.821	0.083
190.0	0.403	34.875	1453.9	27.983	29.373	0.395	27.983	11.840	0.085
200.0	0.330	34.880	1453.9	27.988	29.362	0.372	27.989	11.323	0.086
220.0	0.352	34.885	1454.1	27.993	29.350	0.343	27.994	10.826	0.088
240.0	0.282	34.883	1454.1	27.996	29.297	0.272	27.997	10.540	0.090
260.0	0.219	34.884	1454.2	28.000	29.253	0.208	28.001	10.126	0.092
280.0	0.182	34.886	1454.3	28.004	29.233	0.171	28.005	9.712	0.094
300.0	0.168	34.889	1454.6	28.007	29.232	0.156	28.008	9.436	0.096
320.0	0.127	34.839	1454.7	28.009	29.206	0.115	28.011	9.175	0.098
340.0	0.091	34.889	1454.9	28.011	29.183	0.077	28.012	8.988	0.100
360.0	0.060	34.889	1455.1	28.013	29.166	0.046	28.014	8.788	0.101
380.0	0.020	34.888	1455.2	28.014	29.140	0.005	28.016	8.621	0.103
400.0	0.009	34.891	1455.5	28.017	29.141	-0.007	28.018	8.338	0.105
450.1	-0.094	34.890	1455.9	28.022	29.075	-0.112	28.023	7.765	0.109
500.0	-0.163	34.893	1456.4	28.028	29.042	-0.183	28.030	7.031	0.113
550.0	-0.211	34.897	1457.0	28.034	29.026	-0.233	28.035	6.426	0.116
600.0	-0.298	34.897	1457.4	28.038	28.974	-0.321	28.040	5.832	0.119
650.1	-0.354	34.899	1457.9	28.042	28.950	-0.379	28.044	5.285	0.122
700.0	-0.417	34.901	1458.5	28.047	28.919	-0.444	28.049	4.691	0.124
750.0	-0.475	34.901	1459.0	28.050	28.892	-0.504	28.052	4.240	0.126
800.0	-0.533	34.901	1459.6	28.052	28.865	-0.564	28.054	3.804	0.128
850.0	-0.552	34.904	1460.3	28.056	28.873	-0.585	28.058	3.312	0.130
900.0	-0.575	34.907	1461.0	28.059	28.877	-0.611	28.061	2.904	0.132
950.2	-0.600	34.908	1461.8	28.061	28.879	-0.638	28.064	2.553	0.133
1000.0	-0.632	34.909	1462.4	28.063	28.874	-0.672	28.066	2.190	0.134

STA. 030 72- 8.3N 006-37.4W 08/15/90 10.1 HRS GMT, 999 RECORDS  
WIND KNOTS/DIR 010/010, AIR TEMP. 8.3° C, DEW PT 7.8°C, DEPTH 2940 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	6.640	33.841	1475.8	26.554	33.904	6.639	26.555	147.065	0.003
3.0	6.626	33.844	1475.7	26.558	33.894	6.625	26.558	146.710	0.004
5.0	6.605	33.847	1475.7	26.564	33.880	6.604	26.564	146.179	0.007
7.0	6.623	33.843	1475.8	26.558	33.893	6.622	26.558	146.784	0.010
9.0	6.624	33.842	1475.8	26.557	33.894	6.623	26.558	146.876	0.013
11.1	6.026	33.994	1473.7	26.754	33.497	6.025	26.754	128.227	0.016
13.0	6.020	33.988	1473.7	26.750	33.488	6.019	26.751	128.577	0.019
15.0	5.307	34.051	1471.0	26.887	32.910	5.306	26.887	115.644	0.021
17.0	3.912	34.229	1465.5	27.182	31.831	3.911	27.182	87.658	0.023
19.0	3.351	34.279	1463.2	27.277	31.382	3.350	27.277	78.667	0.025
21.0	2.859	34.367	1461.3	27.392	31.025	2.858	27.392	67.740	0.026
23.0	2.583	34.429	1460.2	27.466	30.836	2.582	27.466	60.726	0.027
25.0	2.277	34.449	1458.9	27.508	30.586	2.276	27.508	56.749	0.029
27.0	1.887	34.438	1457.3	27.530	30.240	1.886	27.531	54.625	0.030
29.0	1.426	34.503	1455.3	27.616	29.893	1.425	27.616	46.464	0.031
31.0	1.283	34.510	1454.7	27.632	29.777	1.282	27.633	44.932	0.032
35.0	0.650	34.572	1452.0	27.723	29.282	0.648	27.724	36.239	0.033
40.0	0.258	34.607	1450.4	27.775	28.976	0.257	27.775	31.334	0.035
45.0	-0.168	34.655	1448.6	27.836	28.651	-0.169	27.837	25.459	0.036
50.0	-0.281	34.692	1448.2	27.871	28.584	-0.282	27.872	22.148	0.038
60.0	-0.626	34.705	1446.8	27.898	28.305	-0.628	27.899	19.513	0.040
70.1	-0.735	34.718	1446.2	27.915	28.185	-0.787	27.916	17.851	0.042
80.0	-0.769	34.736	1446.5	27.930	28.216	-0.772	27.930	16.474	0.043
90.0	-0.675	34.758	1447.1	27.943	28.317	-0.678	27.943	15.221	0.045
100.0	-0.325	34.804	1449.0	27.964	28.653	-0.329	27.965	13.296	0.046
110.1	-0.165	34.813	1449.9	27.963	28.801	-0.169	27.964	13.415	0.048
120.0	-0.117	34.824	1450.3	27.970	28.855	-0.122	27.971	12.794	0.049
130.0	0.109	34.853	1451.5	27.981	29.075	0.104	27.982	11.837	0.050
140.0	0.230	34.866	1452.2	27.985	29.194	0.225	27.986	11.519	0.051
150.0	0.225	34.869	1452.4	27.988	29.196	0.219	27.988	11.250	0.052
160.0	0.222	34.874	1452.5	27.992	29.202	0.215	27.992	10.877	0.054
170.0	0.222	34.878	1452.7	27.995	29.210	0.216	27.996	10.589	0.055
180.0	0.206	34.879	1452.8	27.997	29.202	0.199	27.998	10.365	0.056
190.0	0.176	34.879	1452.8	27.999	29.180	0.168	27.999	10.203	0.057
200.0	0.140	34.880	1452.8	28.001	29.154	0.132	28.002	9.924	0.058
220.0	0.102	34.880	1453.0	28.004	29.131	0.093	28.005	9.678	0.060
240.0	0.092	34.884	1453.3	28.007	29.135	0.083	28.008	9.365	0.062
260.0	0.072	34.887	1453.5	28.011	29.129	0.061	28.012	9.002	0.063
280.0	0.032	34.886	1453.6	28.012	29.103	0.021	28.013	8.859	0.065
300.0	-0.035	34.881	1453.7	28.012	29.052	-0.046	28.013	8.810	0.067
320.1	-0.121	34.880	1453.6	28.015	28.986	-0.133	28.016	8.410	0.069
340.0	-0.168	34.879	1453.7	28.017	28.954	-0.181	28.018	8.171	0.070
360.0	-0.219	34.877	1453.8	28.018	28.919	-0.232	28.019	8.020	0.072
380.1	-0.262	34.879	1453.9	28.022	28.892	-0.276	28.023	7.608	0.074
400.0	-0.267	34.882	1454.2	28.024	28.898	-0.282	28.026	7.353	0.075
450.0	-0.360	34.832	1454.6	28.029	28.842	-0.376	28.030	6.754	0.079
500.0	-0.404	34.885	1455.2	28.034	28.830	-0.422	28.035	6.172	0.082
550.0	-0.521	34.885	1455.5	28.039	28.752	-0.541	28.040	5.453	0.085
600.1	-0.622	34.883	1455.9	28.042	28.687	-0.644	28.043	4.937	0.087
650.0	-0.627	34.889	1456.7	28.047	28.710	-0.650	28.049	4.329	0.090
700.0	-0.641	34.892	1457.4	28.050	28.722	-0.667	28.052	3.974	0.092
750.1	-0.686	34.891	1458.0	28.052	28.705	-0.714	28.053	3.634	0.094
800.0	-0.690	34.895	1458.8	28.055	28.727	-0.719	28.057	3.197	0.095
850.1	-0.686	34.897	1459.7	28.056	28.754	-0.718	28.058	3.010	0.097
900.1	-0.605	34.908	1460.9	28.061	28.853	-0.640	28.063	2.646	0.098
950.0	-0.629	34.908	1461.6	28.063	28.854	-0.666	28.065	2.324	0.099
1000.0	-0.660	34.909	1462.3	28.065	28.850	-0.700	28.067	1.962	0.101

STA. 031S 72-31.3N 005-26.8W 08/15/90 15.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 008/025, AIR TEMP. 8.9° C, DEW PT 8.9° C, DEPTH 2620 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	6.673	33.388	1475.3	26.192	33.524	6.672	26.193	181.390	0.004
3.0	6.668	33.384	1475.3	26.190	33.516	6.667	26.190	181.658	0.005
5.4	6.579	33.385	1475.0	26.202	33.440	6.578	26.203	180.498	0.010
7.1	6.552	33.395	1475.0	26.214	33.426	6.551	26.214	179.410	0.013
9.0	6.532	33.401	1474.9	26.221	33.415	6.531	26.222	178.725	0.016
11.0	6.053	33.860	1473.6	26.645	33.402	6.052	26.645	138.573	0.020
13.0	4.686	33.859	1468.2	26.806	32.195	4.685	26.806	123.305	0.022
15.0	2.868	34.016	1460.8	27.111	30.743	2.867	27.111	94.332	0.024
17.0	2.664	34.105	1460.0	27.200	30.640	2.663	27.200	85.917	0.026
19.0	2.239	34.181	1458.3	27.296	30.335	2.238	27.296	76.781	0.028
21.0	1.777	34.235	1456.4	27.375	29.980	1.776	27.376	69.248	0.029
23.0	2.236	34.386	1458.6	27.461	30.499	2.234	27.461	61.182	0.030
25.0	2.089	34.431	1458.1	27.508	30.408	2.088	27.509	56.703	0.032
27.1	1.792	34.495	1456.9	27.583	30.203	1.791	27.583	49.604	0.033
29.0	1.466	34.526	1455.5	27.632	29.946	1.465	27.632	44.951	0.033
31.0	1.326	34.542	1455.0	27.655	29.838	1.325	27.655	42.799	0.034
35.0	1.078	34.565	1454.0	27.690	29.644	1.076	27.691	39.414	0.036
40.0	0.631	34.616	1452.1	27.760	29.302	0.630	27.761	32.770	0.038
45.0	0.220	34.648	1450.4	27.809	28.976	0.218	27.810	28.051	0.039
50.0	-0.209	34.689	1448.5	27.866	28.644	-0.210	27.866	22.683	0.041
60.0	-0.189	34.743	1448.9	27.908	28.705	-0.191	27.908	18.684	0.043
70.0	-0.202	34.782	1449.0	27.940	28.728	-0.205	27.941	15.597	0.044
80.0	-0.078	34.815	1449.8	27.961	28.864	-0.081	27.962	13.671	0.046
90.0	0.010	34.837	1450.4	27.973	28.960	0.007	27.974	12.523	0.047
100.0	-0.020	34.839	1450.4	27.977	28.941	-0.023	27.978	12.156	0.048
110.0	0.086	34.856	1451.1	27.985	29.049	0.082	27.986	11.435	0.050
120.1	0.110	34.860	1451.4	27.987	29.077	0.105	27.987	11.290	0.051
130.0	0.219	34.876	1452.0	27.994	29.188	0.214	27.995	10.652	0.052
140.0	0.146	34.875	1451.9	27.997	29.129	0.141	27.998	10.300	0.053
150.0	0.134	34.877	1452.0	27.999	29.125	0.129	28.000	10.111	0.054
160.0	0.104	34.877	1452.0	28.001	29.103	0.098	28.002	9.956	0.055
170.4	0.094	34.880	1452.1	28.004	29.102	0.087	28.005	9.628	0.056
180.0	0.063	34.878	1452.1	28.004	29.078	0.056	28.004	9.668	0.057
190.1	0.010	34.879	1452.1	28.008	29.038	0.002	28.009	9.226	0.058
200.0	-0.009	34.879	1452.1	28.009	29.026	-0.017	28.009	9.171	0.059
220.0	-0.026	34.883	1452.4	28.013	29.023	-0.035	28.014	8.761	0.060
240.1	-0.112	34.881	1452.3	28.016	28.958	-0.121	28.017	8.408	0.062
260.0	-0.157	34.880	1452.4	28.017	28.928	-0.166	28.018	8.230	0.064
280.0	-0.206	34.881	1452.5	28.020	28.895	-0.216	28.021	7.903	0.065
300.0	-0.267	34.880	1452.6	28.023	28.852	-0.278	28.024	7.584	0.067
320.0	-0.278	34.883	1452.9	28.025	28.853	-0.290	28.026	7.314	0.068
340.0	-0.324	34.882	1453.0	28.027	28.823	-0.336	28.028	7.115	0.070
360.0	-0.345	34.883	1453.2	28.029	28.815	-0.358	28.031	6.830	0.071
380.0	-0.381	34.882	1453.4	28.030	28.792	-0.395	28.031	6.749	0.073
400.0	-0.407	34.884	1453.6	28.033	28.781	-0.421	28.034	6.417	0.074
450.1	-0.489	34.886	1454.0	28.039	28.736	-0.505	28.040	5.676	0.077
500.1	-0.502	34.891	1454.8	28.043	28.750	-0.520	28.044	5.210	0.080
550.0	-0.500	34.898	1455.6	28.049	28.779	-0.520	28.050	4.567	0.082
600.0	-0.638	34.890	1455.8	28.049	28.678	-0.660	28.050	4.263	0.084
650.1	-0.643	34.892	1456.6	28.051	28.698	-0.667	28.052	3.992	0.086
700.0	-0.702	34.892	1457.1	28.053	28.670	-0.728	28.055	3.546	0.088
750.0	-0.644	34.900	1458.2	28.057	28.748	-0.672	28.058	3.240	0.090
800.0	-0.675	34.900	1458.9	28.058	28.744	-0.705	28.060	2.933	0.092
850.0	-0.745	34.892	1459.4	28.055	28.700	-0.776	28.057	2.989	0.093
900.0	-0.728	34.901	1460.3	28.062	28.743	-0.762	28.064	2.294	0.094
950.1	-0.735	34.902	1461.1	28.063	28.760	-0.771	28.065	2.072	0.095
1000.0	-0.749	34.904	1461.9	28.065	28.771	-0.788	28.067	1.717	0.096



STA. 031D 72-31.6N 005-27.1W 08/15/90 16.1 HRS GMT, 777 RECORDS  
WIND KNOTS/DIR 008/025, AIR TEMP. 8.9° C, DEW PT 8.9°C, DEPTH 2620 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.751	34.905	1461.9	28.066	28.770	-0.790	28.068	1.629	0.000
1050.0	-0.769	34.906	1462.6	28.067	28.778	-0.810	28.070	1.337	0.001
1100.0	-0.792	34.906	1463.3	28.068	28.779	-0.835	28.070	1.091	0.001
1150.1	-0.814	34.905	1464.1	28.069	28.781	-0.860	28.071	0.877	0.002
1200.1	-0.835	34.905	1464.8	28.069	28.785	-0.883	28.072	0.609	0.002
1250.1	-0.862	34.904	1465.5	28.070	28.784	-0.911	28.072	0.370	0.002
1300.1	-0.878	34.903	1466.3	28.070	28.790	-0.931	28.072	0.217	0.003
1350.0	-0.883	34.904	1467.1	28.071	28.808	-0.938	28.073	-0.017	0.003
1400.0	-0.896	34.904	1467.9	28.071	28.818	-0.953	28.074	-0.232	0.003
1450.1	-0.908	34.904	1468.6	28.071	28.829	-0.968	28.074	-0.418	0.002
1500.1	-0.923	34.903	1469.4	28.071	28.837	-0.985	28.074	-0.614	0.002
1550.1	-0.914	34.905	1470.3	28.073	28.867	-0.979	28.076	-0.814	0.002
1600.1	-0.925	34.905	1471.1	28.073	28.879	-0.993	28.076	-1.023	0.001
1650.0	-0.930	34.905	1471.9	28.073	28.895	-1.001	28.077	-1.182	0.001
1700.0	-0.940	34.904	1472.7	28.073	28.906	-1.014	28.077	-1.337	0.000
1750.0	-0.941	34.905	1473.5	28.074	28.927	-1.018	28.077	-1.509	-0.001
1800.0	-0.950	34.905	1474.3	28.074	28.940	-1.030	28.078	-1.719	-0.001
1850.1	-0.957	34.904	1475.1	28.074	28.954	-1.039	28.077	-1.838	-0.002
1900.0	-0.961	34.904	1475.9	28.074	28.971	-1.046	28.078	-2.021	-0.003
1950.1	-0.962	34.905	1476.8	28.074	28.991	-1.050	28.078	-2.175	-0.004
2000.0	-0.959	34.906	1477.6	28.075	29.014	-1.051	28.079	-2.347	-0.005
2050.1	-0.965	34.905	1478.4	28.075	29.029	-1.060	28.079	-2.482	-0.007
2100.1	-0.961	34.906	1479.3	28.075	29.054	-1.059	28.079	-2.611	-0.008
2150.0	-0.968	34.906	1480.1	28.075	29.067	-1.069	28.080	-2.781	-0.009
2200.1	-0.974	34.905	1480.9	28.075	29.082	-1.078	28.080	-2.930	-0.011
2250.0	-0.985	34.904	1481.7	28.075	29.091	-1.093	28.079	-3.075	-0.012
2300.1	-0.992	34.903	1482.6	28.074	29.105	-1.103	28.079	-3.177	-0.014
2350.0	-1.006	34.901	1483.3	28.073	29.111	-1.120	28.078	-3.333	-0.015
2400.0	-1.016	34.900	1484.1	28.072	29.121	-1.133	28.077	-3.448	-0.017
2450.0	-1.029	34.898	1484.9	28.072	29.129	-1.149	28.077	-3.598	-0.019
2500.0	-1.040	34.896	1485.7	28.071	29.138	-1.163	28.076	-3.698	-0.021
2550.1	-1.049	34.896	1486.5	28.071	29.150	-1.176	28.076	-3.915	-0.023
2551.0	-1.048	34.895	1486.5	28.070	29.150	-1.175	28.075	-3.832	-0.023

STA. 032S 72-53.2N 003-55.7W 08/15/90 21.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 015/015, AIR TEMP. 6.1° C, DEW PT 5.0°C, DEPTH 2100 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	5.676	31.735	1469.3	25.011	31.184	5.676	25.012	293.669	0.003
3.0	5.660	31.747	1469.3	25.022	31.182	5.660	25.023	292.621	0.009
5.0	5.645	31.726	1469.2	25.008	31.152	5.644	25.008	294.051	0.015
7.1	5.512	31.976	1469.0	25.221	31.262	5.511	25.221	273.802	0.021
9.0	5.398	32.643	1469.4	25.761	31.754	5.397	25.762	222.403	0.025
11.0	6.364	33.216	1474.1	26.097	33.101	6.363	26.098	190.549	0.030
13.0	6.407	33.245	1474.3	26.114	33.165	6.406	26.115	188.970	0.033
15.0	6.344	33.283	1474.1	26.153	33.146	6.343	26.153	185.343	0.037
17.0	5.824	33.462	1472.3	26.359	32.850	5.823	26.360	165.755	0.041
19.1	3.951	33.381	1464.6	26.503	31.153	3.949	26.504	152.026	0.044
21.0	0.158	33.611	1448.3	26.977	28.127	0.157	26.977	106.925	0.046
23.0	-0.243	33.925	1446.9	27.250	28.030	-0.244	27.250	81.018	0.048
25.1	-0.117	34.068	1447.7	27.360	28.244	-0.118	27.360	70.619	0.050
27.0	0.269	34.158	1449.6	27.412	28.638	0.268	27.412	65.715	0.051
29.0	0.320	34.268	1450.0	27.498	28.766	0.319	27.498	57.564	0.052
31.1	0.708	34.342	1451.9	27.535	29.153	0.706	27.535	54.092	0.053
35.0	0.920	34.471	1453.1	27.625	29.436	0.919	27.626	45.569	0.055
40.0	0.279	34.561	1450.4	27.736	28.959	0.278	27.737	35.009	0.057
45.1	0.072	34.613	1449.6	27.793	28.827	0.070	27.794	29.560	0.059
50.0	-0.103	34.640	1448.9	27.821	28.697	-0.105	27.821	26.922	0.060
60.0	-0.337	34.712	1448.1	27.890	28.556	-0.339	27.891	20.320	0.063
70.0	-0.336	34.759	1448.4	27.928	28.596	-0.339	27.929	16.720	0.065
80.0	-0.441	34.794	1448.1	27.961	28.538	-0.444	27.962	13.543	0.066
90.1	-0.414	34.824	1448.4	27.985	28.587	-0.417	27.985	11.352	0.067
100.1	-0.137	34.843	1449.9	27.986	28.844	-0.140	27.987	11.255	0.069
110.0	-0.112	34.861	1450.2	28.000	28.883	-0.116	28.000	9.991	0.070
120.0	-0.068	34.865	1450.5	28.001	28.928	-0.073	28.001	9.900	0.071
130.0	0.011	34.876	1451.1	28.005	29.009	0.006	28.006	9.519	0.072
140.0	-0.063	34.874	1450.9	28.008	28.949	-0.068	28.008	9.233	0.073
150.0	-0.073	34.876	1451.0	28.010	28.946	-0.079	28.010	9.050	0.073
160.1	-0.136	34.869	1450.9	28.007	28.891	-0.142	28.008	9.245	0.074
170.1	-0.195	34.874	1450.8	28.014	28.849	-0.201	28.015	8.543	0.075
180.1	-0.176	34.875	1451.0	28.014	28.870	-0.183	28.015	8.571	0.076
190.0	-0.181	34.878	1451.2	28.017	28.874	-0.188	28.018	8.308	0.077
200.0	-0.230	34.877	1451.1	28.018	28.835	-0.237	28.019	8.130	0.078
220.1	-0.312	34.876	1451.1	28.022	28.774	-0.320	28.023	7.726	0.079
240.0	-0.374	34.876	1451.1	28.025	28.730	-0.382	28.026	7.381	0.081
260.0	-0.435	34.875	1451.1	28.027	28.687	-0.444	28.028	7.093	0.082
280.0	-0.459	34.876	1451.4	28.029	28.675	-0.469	28.030	6.900	0.084
300.0	-0.417	34.884	1451.9	28.033	28.726	-0.428	28.034	6.494	0.085
320.0	-0.486	34.878	1451.9	28.032	28.673	-0.497	28.033	6.491	0.086
340.0	-0.547	34.877	1451.9	28.034	28.628	-0.559	28.035	6.277	0.088
360.0	-0.651	34.875	1451.8	28.037	28.548	-0.663	28.038	5.848	0.089
380.0	-0.698	34.872	1451.9	28.037	28.515	-0.710	28.038	5.724	0.090
400.0	-0.732	34.874	1452.1	28.039	28.496	-0.745	28.040	5.412	0.091
450.0	-0.818	34.873	1452.5	28.042	28.445	-0.833	28.043	4.926	0.094
500.1	-0.769	34.879	1453.5	28.046	28.514	-0.786	28.047	4.569	0.096
550.0	-0.820	34.878	1454.1	28.047	28.492	-0.839	28.048	4.277	0.098
600.1	-0.707	34.889	1455.5	28.051	28.619	-0.728	28.053	3.932	0.100
650.0	-0.686	34.896	1456.4	28.055	28.664	-0.710	28.057	3.493	0.102
700.0	-0.722	34.895	1457.1	28.056	28.656	-0.747	28.058	3.215	0.104
750.0	-0.795	34.892	1457.5	28.057	28.613	-0.822	28.059	2.903	0.105
800.0	-0.816	34.893	1458.2	28.058	28.618	-0.845	28.060	2.599	0.107
850.0	-0.796	34.898	1459.2	28.062	28.661	-0.828	28.064	2.215	0.108
900.0	-0.832	34.897	1459.8	28.063	28.652	-0.865	28.064	1.953	0.109
950.1	-0.857	34.897	1460.5	28.064	28.652	-0.892	28.066	1.626	0.110
1000.1	-0.860	34.901	1461.4	28.067	28.674	-0.898	28.069	1.239	0.111
1000.0	-0.860	34.901	1461.4	28.067	28.674	-0.898	28.069	1.231	0.111

STA. 032D 72-53.2N 003-56.8W 08/15/90 22.0 HRS GMT, 517 RECORDS  
WIND KNOTS/DIR 015/015, AIR TEMP. 6.1° C, DEW PT 5.0° C, DEPTH 2077 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.864	34.900	1461.3	28.067	28.670	-0.902	28.069	1.257	0.000
1050.1	-0.891	34.899	1462.0	28.066	28.668	-0.931	28.068	1.076	0.001
1100.1	-0.925	34.897	1462.7	28.066	28.660	-0.966	28.069	0.840	0.001
1150.1	-0.942	34.897	1463.5	28.067	28.667	-0.986	28.069	0.623	0.001
1200.1	-0.950	34.897	1464.3	28.068	28.682	-0.996	28.070	0.400	0.002
1250.1	-0.928	34.900	1465.2	28.069	28.724	-0.977	28.072	0.193	0.002
1300.0	-0.921	34.903	1466.1	28.071	28.753	-0.973	28.074	-0.069	0.002
1350.1	-0.953	34.900	1466.7	28.070	28.745	-1.007	28.073	-0.228	0.002
1400.1	-0.959	34.900	1467.5	28.071	28.762	-1.016	28.073	-0.431	0.002
1450.0	-0.959	34.902	1468.4	28.072	28.784	-1.018	28.075	-0.681	0.001
1500.1	-0.931	34.906	1469.4	28.074	28.832	-0.994	28.077	-0.892	0.001
1550.1	-0.950	34.904	1470.1	28.073	28.836	-1.015	28.076	-1.010	0.001
1600.1	-0.949	34.905	1470.9	28.074	28.858	-1.017	28.077	-1.193	0.000
1650.1	-0.954	34.904	1471.8	28.074	28.874	-1.024	28.077	-1.328	-0.001
1700.1	-0.972	34.903	1472.5	28.074	28.879	-1.045	28.077	-1.528	-0.001
1750.1	-0.978	34.904	1473.3	28.074	28.895	-1.054	28.078	-1.744	-0.002
1800.1	-0.978	34.903	1474.2	28.074	28.915	-1.057	28.077	-1.833	-0.003
1850.1	-0.987	34.904	1475.0	28.075	28.928	-1.069	28.078	-2.074	-0.004
1900.1	-0.988	34.904	1475.8	28.075	28.947	-1.073	28.078	-2.204	-0.005
1950.1	-0.996	34.903	1476.6	28.075	28.961	-1.084	28.079	-2.384	-0.006
2000.3	-0.999	34.903	1477.4	28.074	28.978	-1.090	28.078	-2.482	-0.008
2030.0	-1.006	34.904	1477.9	28.075	28.935	-1.099	28.079	-2.694	-0.008



STA. 033S 73-20.0N 002-49.2W 08/16/90 10.1 HRS GMT, 998 RECORDS  
WIND KNOTS/DIR 023/025, AIR TEMP. 7.2°C, DEW PT 6.7°C, DEPTH 2875 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
3.0	6.388	32.729	1473.4	25.710	32.680	6.387	25.710	227.261	0.007
5.0	6.358	32.728	1473.3	25.713	32.654	6.357	25.713	227.014	0.011
7.0	6.303	32.780	1473.2	25.761	32.654	6.302	25.761	222.465	0.016
9.0	5.888	33.180	1472.1	26.128	32.653	5.887	26.129	187.548	0.020
11.0	4.517	33.517	1467.0	26.553	31.754	4.516	26.553	147.265	0.024
13.0	2.685	33.728	1459.6	26.897	30.350	2.684	26.897	114.597	0.026
15.0	1.927	33.771	1456.4	26.992	29.738	1.926	26.993	105.497	0.028
17.0	1.353	33.826	1453.9	27.078	29.294	1.352	27.078	97.417	0.030
19.1	0.896	34.085	1452.3	27.316	29.109	0.895	27.316	74.819	0.032
21.0	1.167	34.165	1453.6	27.362	29.403	1.166	27.363	70.444	0.034
23.0	0.687	34.261	1451.6	27.470	29.069	0.686	27.471	60.172	0.035
25.0	0.335	34.342	1450.2	27.556	28.833	0.334	27.557	52.010	0.036
27.0	0.286	34.397	1450.0	27.603	28.834	0.285	27.604	47.579	0.037
29.0	0.129	34.438	1449.4	27.645	28.733	0.128	27.646	43.606	0.038
31.0	0.075	34.499	1449.3	27.697	28.733	0.074	27.698	38.669	0.039
35.1	-0.122	34.583	1448.5	27.776	28.631	-0.123	27.776	31.230	0.040
40.1	0.034	34.700	1449.5	27.862	28.854	0.032	27.862	23.078	0.042
45.0	0.119	34.755	1450.0	27.902	28.971	0.118	27.903	19.292	0.043
50.2	0.123	34.776	1450.2	27.918	28.992	0.121	27.919	17.745	0.044
60.1	0.374	34.854	1451.6	27.967	29.272	0.372	27.968	13.178	0.045
70.0	0.394	34.873	1451.9	27.981	29.309	0.391	27.982	11.834	0.046
80.1	0.512	34.893	1452.6	27.990	29.429	0.509	27.991	11.044	0.047
90.0	0.358	34.888	1452.0	27.995	29.297	0.354	27.996	10.548	0.048
100.0	0.315	34.890	1452.0	27.999	29.267	0.311	28.000	10.145	0.049
110.0	0.272	34.892	1452.0	28.004	29.237	0.268	28.005	9.714	0.050
120.1	0.165	34.890	1451.7	28.008	29.147	0.160	28.008	9.323	0.051
130.1	0.146	34.890	1451.7	28.009	29.135	0.141	28.010	9.204	0.052
140.0	0.046	34.888	1451.4	28.013	29.053	0.040	28.014	8.748	0.053
150.0	0.046	34.885	1451.6	28.011	29.055	0.040	28.012	8.924	0.054
160.0	-0.068	34.835	1451.2	28.017	28.962	-0.074	28.018	8.361	0.055
170.1	-0.163	34.882	1451.0	28.019	28.883	-0.169	28.020	8.077	0.056
180.1	-0.163	34.886	1451.1	28.022	28.890	-0.170	28.023	7.779	0.057
190.2	-0.194	34.881	1451.1	28.020	28.864	-0.201	28.021	7.975	0.057
200.0	-0.245	34.881	1451.1	28.022	28.826	-0.252	28.023	7.722	0.058
220.1	-0.327	34.878	1451.0	28.024	28.763	-0.335	28.025	7.478	0.060
240.0	-0.337	34.886	1451.3	28.031	28.769	-0.345	28.032	6.832	0.061
260.0	-0.483	34.874	1450.9	28.023	28.645	-0.492	28.029	6.938	0.062
280.1	-0.440	34.884	1451.5	28.035	28.698	-0.450	28.036	6.343	0.064
300.0	-0.560	34.879	1451.2	28.036	28.601	-0.570	28.037	6.077	0.065
320.0	-0.634	34.877	1451.2	28.038	28.545	-0.645	28.039	5.842	0.066
340.0	-0.684	34.877	1451.3	28.040	28.512	-0.695	28.041	5.525	0.067
360.0	-0.697	34.878	1451.6	28.042	28.511	-0.708	28.043	5.324	0.068
380.1	-0.781	34.869	1451.5	28.038	28.442	-0.793	28.039	5.545	0.069
400.1	-0.810	34.876	1451.7	28.045	28.431	-0.823	28.046	4.823	0.070
450.1	-0.806	34.880	1452.5	28.048	28.460	-0.821	28.049	4.447	0.073
500.0	-0.806	34.883	1453.4	28.050	28.485	-0.822	28.051	4.108	0.075
550.0	-0.765	34.889	1454.4	28.053	28.546	-0.784	28.054	3.774	0.077
600.0	-0.758	34.892	1455.2	28.055	28.578	-0.779	28.056	3.478	0.079
650.0	-0.823	34.889	1455.7	28.056	28.538	-0.851	28.057	3.145	0.080
700.0	-0.804	34.895	1456.7	28.060	28.585	-0.829	28.062	2.707	0.082
750.0	-0.792	34.897	1457.5	28.061	28.620	-0.819	28.063	2.518	0.083
800.1	-0.817	34.898	1458.3	28.063	28.622	-0.845	28.065	2.162	0.084
850.0	-0.843	34.897	1459.0	28.063	28.620	-0.874	28.065	2.004	0.085
900.0	-0.839	34.900	1459.8	28.066	28.648	-0.872	28.068	1.641	0.086
950.0	-0.895	34.897	1460.4	28.066	28.620	-0.930	28.067	1.389	0.087
1000.0	-0.872	34.901	1461.3	28.068	28.664	-0.910	28.070	1.110	0.088

STA. 033D 73-20.0N 002-49.2W 08/16/90 10.1 HRS GMT, 902 RECORDS  
WIND KNOTS/DIR 023/025, AIR TEMP. \*\*\*° C, DEW PT 7.2°C, DEPTH 2875 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.904	34.897	1461.1	28.066	28.634	-0.942	28.068	1.224	0.000
1050.1	-0.918	34.897	1461.9	28.066	28.644	-0.958	28.068	0.990	0.001
1100.1	-0.937	34.897	1462.7	28.067	28.650	-0.978	28.069	0.766	0.001
1150.0	-0.939	34.897	1463.5	28.067	28.669	-0.983	28.070	0.588	0.001
1200.0	-0.923	34.900	1464.4	28.069	28.707	-0.970	28.072	0.340	0.002
1250.1	-0.937	34.901	1465.2	28.070	28.717	-0.986	28.072	0.096	0.002
1300.1	-0.958	34.898	1465.9	28.069	28.718	-1.009	28.071	0.016	0.002
1350.0	-0.992	34.897	1466.6	28.069	28.710	-1.046	28.072	-0.288	0.002
1400.1	-0.963	34.901	1467.5	28.071	28.759	-1.020	28.074	-0.497	0.001
1450.0	-0.998	34.898	1468.2	28.070	28.748	-1.057	28.073	-0.680	0.001
1500.0	-0.997	34.899	1469.0	28.071	28.771	-1.059	28.074	-0.870	0.001
1550.1	-0.973	34.901	1470.0	28.072	28.814	-1.038	28.075	-1.002	0.000
1600.1	-0.990	34.900	1470.8	28.072	28.820	-1.057	28.075	-1.178	0.000
1650.1	-0.995	34.900	1471.6	28.072	28.837	-1.065	28.075	-1.372	-0.001
1700.1	-0.994	34.900	1472.4	28.072	28.858	-1.066	28.075	-1.473	-0.002
1750.0	-0.996	34.900	1473.2	28.072	28.877	-1.072	28.076	-1.649	-0.002
1800.1	-0.998	34.901	1474.1	28.073	28.896	-1.077	28.076	-1.824	-0.003
1850.1	-0.999	34.901	1474.9	28.073	28.916	-1.081	28.077	-2.006	-0.004
1900.1	-1.001	34.901	1475.7	28.073	28.935	-1.085	28.077	-2.141	-0.005
1950.1	-1.001	34.902	1476.6	28.073	28.956	-1.089	28.077	-2.290	-0.006
2000.0	-1.009	34.901	1477.4	28.073	28.969	-1.100	28.077	-2.446	-0.008
2050.1	-1.006	34.901	1478.2	28.073	28.991	-1.100	28.077	-2.581	-0.009
2100.0	-1.007	34.902	1479.1	28.074	29.011	-1.104	28.078	-2.741	-0.010
2150.0	-1.012	34.901	1479.9	28.073	29.027	-1.112	28.078	-2.871	-0.012
2200.1	-1.017	34.901	1480.7	28.073	29.042	-1.120	28.078	-3.017	-0.013
2250.1	-1.019	34.900	1481.6	28.073	29.060	-1.126	28.077	-3.125	-0.015
2300.0	-1.029	34.899	1482.4	28.072	29.071	-1.133	28.077	-3.246	-0.016
2350.0	-1.035	34.897	1483.2	28.071	29.084	-1.148	28.076	-3.348	-0.018
2400.1	-1.044	34.897	1484.0	28.071	29.095	-1.161	28.076	-3.526	-0.020
2450.0	-1.051	34.896	1484.8	28.071	29.109	-1.171	28.076	-3.659	-0.021
2500.1	-1.056	34.895	1485.6	28.070	29.124	-1.179	28.075	-3.762	-0.023
2550.1	-1.059	34.894	1486.5	28.069	29.139	-1.186	28.075	-3.866	-0.025
2600.1	-1.061	34.894	1487.3	28.070	29.157	-1.192	28.075	-4.030	-0.027
2650.0	-1.063	34.893	1488.2	28.069	29.174	-1.197	28.074	-4.104	-0.029
2700.1	-1.064	34.894	1489.0	28.069	29.193	-1.202	28.075	-4.282	-0.031
2750.0	-1.063	34.893	1489.9	28.069	29.213	-1.204	28.075	-4.364	-0.033
2800.0	-1.060	34.892	1490.7	28.068	29.234	-1.205	28.074	-4.418	-0.036

STA. 034 73-45.8N 001-29.9E 08/16/90 22.1 HRS GMT, 998 RECORDS  
WIND KNOTS/DIR 010/030, AIR TEMP. 7.8° C, DEW PT 6.1°C, DEPTH 3550 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYMDTH DYN M
3.0	6.377	34.299	1475.3	26.950	34.080	6.376	26.951	109.495	0.003
5.0	6.389	34.298	1475.4	26.948	34.091	6.388	26.948	109.753	0.005
7.4	6.378	34.288	1475.4	26.941	34.073	6.377	26.942	110.387	0.008
9.1	6.358	34.293	1475.4	26.948	34.061	6.357	26.949	109.795	0.010
11.0	6.323	34.298	1475.3	26.956	34.034	6.322	26.957	109.041	0.012
13.0	6.311	34.298	1475.2	26.958	34.024	6.310	26.958	108.909	0.014
15.0	6.255	34.312	1475.1	26.976	33.987	6.254	26.976	107.237	0.016
17.0	6.089	34.396	1474.6	27.064	33.913	6.087	27.064	98.919	0.019
19.0	5.798	34.519	1473.6	27.198	33.761	5.796	27.199	86.227	0.020
21.1	5.468	34.529	1472.3	27.247	33.474	5.466	27.247	81.624	0.022
23.1	4.688	34.508	1469.2	27.320	32.757	4.686	27.321	74.656	0.024
25.0	3.636	34.503	1464.8	27.427	31.821	3.634	27.428	64.449	0.025
27.3	3.104	34.564	1462.7	27.527	31.403	3.102	27.527	55.009	0.026
29.1	2.481	34.533	1460.0	27.557	30.833	2.480	27.558	52.073	0.027
31.0	1.803	34.566	1457.1	27.639	30.269	1.801	27.639	44.359	0.028
35.0	0.951	34.597	1453.4	27.725	29.560	0.949	27.725	36.157	0.030
40.0	0.242	34.668	1450.4	27.825	29.009	0.241	27.825	26.594	0.031
45.0	0.183	34.699	1450.3	27.853	28.983	0.181	27.854	23.926	0.032
50.0	-0.234	34.721	1448.5	27.892	28.646	-0.236	27.893	20.140	0.034
60.0	-0.531	34.779	1447.3	27.954	28.441	-0.533	27.954	14.300	0.035
70.0	-0.647	34.800	1447.0	27.976	28.362	-0.650	27.977	12.123	0.037
80.0	-0.556	34.831	1447.6	27.997	28.467	-0.558	27.997	10.192	0.038
90.0	-0.508	34.835	1448.0	27.998	28.516	-0.511	27.999	10.054	0.039
100.0	-0.507	34.846	1448.2	28.007	28.529	-0.510	28.007	9.229	0.040
110.0	-0.442	34.857	1448.6	28.013	28.598	-0.446	28.013	8.652	0.041
120.0	-0.512	34.856	1448.5	28.015	28.542	-0.516	28.016	8.364	0.041
130.0	-0.590	34.855	1448.3	28.018	28.479	-0.594	28.019	8.058	0.042
140.0	-0.601	34.857	1448.4	28.020	28.476	-0.606	28.021	7.858	0.043
150.1	-0.493	34.865	1449.1	28.021	28.579	-0.498	28.022	7.753	0.044
160.0	-0.564	34.862	1448.9	28.023	28.521	-0.570	28.024	7.573	0.045
170.0	-0.624	34.861	1448.8	28.025	28.474	-0.629	28.025	7.364	0.045
180.1	-0.611	34.863	1449.0	28.025	28.491	-0.617	28.026	7.273	0.046
190.1	-0.631	34.863	1449.1	28.027	28.478	-0.637	28.027	7.140	0.047
200.0	-0.582	34.871	1449.5	28.030	28.530	-0.588	28.031	6.776	0.048
220.0	-0.585	34.873	1449.8	28.032	28.538	-0.593	28.033	6.580	0.049
240.0	-0.663	34.869	1449.8	28.033	28.479	-0.670	28.034	6.416	0.050
260.0	-0.737	34.868	1449.7	28.035	28.424	-0.746	28.036	6.028	0.051
280.0	-0.779	34.868	1449.9	28.037	28.397	-0.788	28.038	5.866	0.053
300.0	-0.831	34.868	1449.9	28.039	28.362	-0.841	28.040	5.593	0.054
320.0	-0.854	34.870	1450.2	28.041	28.353	-0.864	28.042	5.296	0.055
340.0	-0.873	34.869	1450.4	28.042	28.346	-0.883	28.043	5.171	0.056
360.1	-0.883	34.870	1450.7	28.043	28.347	-0.895	28.044	4.988	0.057
380.0	-0.874	34.872	1451.1	28.044	28.364	-0.886	28.045	4.886	0.058
400.0	-0.850	34.876	1451.5	28.047	28.398	-0.863	28.048	4.596	0.059
450.0	-0.837	34.879	1452.4	28.048	28.433	-0.852	28.049	4.360	0.061
500.1	-0.765	34.887	1453.5	28.051	28.523	-0.782	28.053	4.022	0.063
550.0	-0.762	34.889	1454.4	28.053	28.550	-0.781	28.055	3.730	0.065
600.0	-0.799	34.888	1455.0	28.054	28.540	-0.820	28.055	3.523	0.067
650.0	-0.802	34.891	1455.8	28.056	28.562	-0.825	28.058	3.171	0.069
700.0	-0.847	34.889	1456.5	28.057	28.544	-0.872	28.058	2.925	0.070
750.0	-0.838	34.892	1457.3	28.059	28.577	-0.865	28.061	2.612	0.071
800.0	-0.867	34.893	1458.0	28.061	28.575	-0.895	28.062	2.237	0.073
850.1	-0.914	34.891	1458.6	28.061	28.556	-0.944	28.063	2.007	0.074
900.0	-0.937	34.892	1459.3	28.063	28.558	-0.970	28.065	1.642	0.075
950.0	-0.980	34.889	1460.0	28.062	28.542	-1.014	28.064	1.447	0.075
1000.0	-0.971	34.892	1460.8	28.064	28.573	-1.008	28.066	1.176	0.076



STA. 035S 72-57.5N 001-12.2W 08/17/90 8.1 HRS GMT, 1001 RECORDS  
WIND KNOTS/DIR 025/030, AIR TEMP. 7.2° C, DEW PT 6.1°C, DEPTH 2800 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1.0	6.728	34.271	1476.7	26.881	34.370	6.728	26.881	116.034	0.001
3.1	6.734	34.272	1476.7	26.882	34.378	6.733	26.882	116.018	0.004
5.1	6.735	34.267	1476.7	26.877	34.375	6.734	26.878	116.463	0.006
7.1	6.739	34.268	1476.8	26.878	34.381	6.738	26.878	116.442	0.008
9.0	6.731	34.269	1476.8	26.879	34.375	6.730	26.880	116.335	0.011
11.1	6.730	34.269	1476.8	26.880	34.376	6.729	26.880	116.302	0.013
13.0	6.728	34.268	1476.8	26.879	34.373	6.726	26.879	116.415	0.015
15.0	6.724	34.269	1476.9	26.880	34.372	6.723	26.881	116.297	0.017
17.0	6.582	34.255	1476.3	26.888	34.232	6.580	26.889	115.608	0.020
19.1	4.560	34.435	1468.5	27.277	32.580	4.559	27.277	78.692	0.022
21.0	3.846	34.510	1465.6	27.412	32.011	3.845	27.413	65.860	0.023
23.1	3.049	34.537	1462.3	27.511	31.332	3.048	27.511	56.497	0.024
25.1	2.447	34.551	1459.8	27.575	30.816	2.446	27.575	50.410	0.026
27.0	1.965	34.574	1457.8	27.633	30.415	1.963	27.633	44.897	0.026
29.1	1.601	34.601	1456.2	27.682	30.121	1.599	27.683	40.216	0.027
31.0	1.188	34.613	1454.5	27.721	29.775	1.187	27.722	36.465	0.028
35.0	0.802	34.639	1452.8	27.768	29.464	0.800	27.768	32.067	0.029
40.0	0.091	34.657	1449.7	27.824	28.871	0.090	27.825	26.641	0.031
45.1	-0.099	34.700	1449.0	27.869	28.743	-0.100	27.869	22.397	0.032
50.1	-0.219	34.725	1448.5	27.895	28.662	-0.221	27.896	19.864	0.033
60.1	-0.305	34.766	1448.3	27.933	28.624	-0.307	27.933	16.297	0.035
70.0	-0.289	34.786	1448.6	27.948	28.658	-0.291	27.949	14.835	0.036
80.0	-0.219	34.804	1449.1	27.959	28.735	-0.222	27.960	13.808	0.038
90.0	-0.318	34.817	1448.8	27.974	28.665	-0.321	27.975	12.332	0.039
100.0	-0.261	34.822	1449.3	27.976	28.722	-0.264	27.976	12.204	0.041
110.1	-0.212	34.834	1449.7	27.983	28.776	-0.216	27.983	11.576	0.042
120.0	-0.153	34.845	1450.1	27.989	28.840	-0.157	27.990	10.991	0.043
130.1	-0.149	34.852	1450.3	27.994	28.854	-0.153	27.995	10.494	0.044
140.0	-0.144	34.856	1450.5	27.997	28.866	-0.149	27.998	10.193	0.045
150.0	-0.058	34.867	1451.1	28.002	28.952	-0.064	28.002	9.810	0.046
160.0	-0.279	34.852	1450.2	28.001	28.756	-0.285	28.002	9.781	0.047
170.0	-0.290	34.858	1450.3	28.006	28.756	-0.296	28.007	9.248	0.048
180.0	-0.232	34.863	1450.8	28.007	28.814	-0.238	28.008	9.193	0.049
190.0	-0.237	34.863	1450.9	28.008	28.815	-0.243	28.008	9.141	0.050
200.1	-0.258	34.865	1451.0	28.010	28.803	-0.265	28.011	8.855	0.051
220.0	-0.287	34.866	1451.2	28.013	28.788	-0.295	28.013	8.614	0.052
240.0	-0.325	34.867	1451.3	28.015	28.764	-0.334	28.016	8.349	0.054
260.0	-0.335	34.869	1451.6	28.018	28.768	-0.344	28.018	8.072	0.056
280.0	-0.370	34.869	1451.8	28.019	28.747	-0.379	28.020	7.887	0.057
300.0	-0.364	34.873	1452.1	28.022	28.764	-0.374	28.023	7.565	0.059
320.0	-0.381	34.871	1452.4	28.021	28.757	-0.392	28.022	7.605	0.060
340.0	-0.400	34.876	1452.6	28.026	28.753	-0.412	28.027	7.135	0.062
360.1	-0.395	34.879	1453.0	28.028	28.769	-0.408	28.029	6.893	0.063
380.0	-0.377	34.882	1453.4	28.030	28.796	-0.390	28.031	6.746	0.065
400.0	-0.402	34.883	1453.6	28.032	28.784	-0.416	28.033	6.487	0.066
450.0	-0.328	34.898	1454.8	28.040	28.882	-0.344	28.042	5.735	0.069
500.1	-0.359	34.900	1455.5	28.044	28.879	-0.378	28.045	5.317	0.072
550.0	-0.482	34.896	1455.7	28.046	28.794	-0.502	28.048	4.835	0.074
600.1	-0.553	34.896	1456.2	28.050	28.756	-0.574	28.051	4.312	0.077
650.0	-0.587	34.898	1456.9	28.053	28.750	-0.611	28.054	3.892	0.079
700.0	-0.658	34.896	1457.3	28.054	28.710	-0.684	28.055	3.568	0.080
750.1	-0.688	34.896	1458.0	28.056	28.707	-0.716	28.057	3.261	0.082
800.0	-0.719	34.897	1458.7	28.058	28.703	-0.749	28.059	2.902	0.084
850.0	-0.714	34.900	1459.6	28.060	28.732	-0.746	28.062	2.564	0.085
900.0	-0.742	34.900	1460.3	28.061	28.730	-0.776	28.063	2.280	0.086
950.0	-0.772	34.901	1460.9	28.063	28.727	-0.808	28.065	1.933	0.087
1000.0	-0.798	34.901	1461.7	28.065	28.727	-0.836	28.067	1.626	0.088

STA. 035D 72-57.6N 001-12.0W 08/17/90 9.1 HRS GMT, 852 RECORDS  
WIND KNOTS/DIR 025/030, AIR TEMP. 7.2° C, DEW PT 6.1°C, DEPTH 2800 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.800	34.901	1461.6	28.064	28.725	-0.838	28.066	1.638	0.000
1050.1	-0.807	34.901	1462.4	28.065	28.742	-0.847	28.067	1.436	0.001
1100.1	-0.831	34.902	1463.2	28.066	28.743	-0.873	28.069	1.133	0.001
1150.1	-0.853	34.901	1463.9	28.067	28.746	-0.897	28.069	0.919	0.002
1200.1	-0.863	34.901	1464.7	28.067	28.759	-0.910	28.070	0.728	0.002
1250.1	-0.885	34.900	1465.4	28.068	28.761	-0.935	28.070	0.495	0.003
1300.1	-0.900	34.901	1466.2	28.068	28.770	-0.952	28.071	0.248	0.003
1350.1	-0.921	34.900	1466.9	28.069	28.772	-0.976	28.071	0.014	0.003
1400.1	-0.939	34.899	1467.6	28.068	28.778	-0.995	28.071	-0.154	0.003
1450.0	-0.951	34.899	1468.4	28.069	28.789	-1.010	28.072	-0.373	0.003
1500.1	-0.953	34.900	1469.2	28.070	28.809	-1.015	28.073	-0.587	0.002
1550.0	-0.953	34.900	1470.1	28.070	28.830	-1.018	28.073	-0.765	0.002
1600.1	-0.959	34.900	1470.9	28.070	28.846	-1.027	28.074	-0.926	0.002
1650.1	-0.961	34.901	1471.7	28.071	28.865	-1.032	28.074	-1.107	0.001
1700.1	-0.967	34.901	1472.5	28.072	28.881	-1.040	28.075	-1.337	0.001
1750.1	-0.971	34.901	1473.4	28.071	28.898	-1.047	28.075	-1.454	0.000
1800.0	-0.970	34.901	1474.2	28.072	28.920	-1.049	28.075	-1.598	-0.001
1850.0	-0.976	34.901	1475.0	28.072	28.935	-1.058	28.076	-1.783	-0.002
1900.1	-0.980	34.901	1475.8	28.072	28.952	-1.065	28.076	-1.936	-0.003
1950.1	-0.982	34.900	1476.7	28.072	28.971	-1.070	28.076	-2.043	-0.004
2000.1	-0.985	34.901	1477.5	28.073	28.989	-1.076	28.077	-2.261	-0.005
2050.1	-0.987	34.901	1478.3	28.072	29.007	-1.082	28.077	-2.391	-0.006
2100.1	-0.990	34.901	1479.2	28.073	29.026	-1.087	28.077	-2.542	-0.007
2150.0	-0.991	34.900	1480.0	28.072	29.044	-1.092	28.076	-2.620	-0.008
2200.1	-0.994	34.901	1480.8	28.072	29.061	-1.098	28.077	-2.796	-0.010
2250.1	-0.993	34.901	1481.7	28.073	29.083	-1.100	28.077	-2.966	-0.011
2300.1	-0.995	34.901	1482.5	28.073	29.101	-1.106	28.077	-3.080	-0.013
2350.0	-1.004	34.900	1483.3	28.072	29.112	-1.113	28.077	-3.223	-0.014
2400.1	-1.008	34.899	1484.2	28.071	29.128	-1.125	28.076	-3.303	-0.016
2450.1	-1.013	34.898	1485.0	28.071	29.143	-1.134	28.076	-3.447	-0.018
2500.0	-1.019	34.898	1485.8	28.071	29.156	-1.143	28.076	-3.594	-0.019
2550.1	-1.025	34.896	1486.6	28.070	29.170	-1.152	28.075	-3.667	-0.021
2600.0	-1.028	34.896	1487.5	28.070	29.187	-1.159	28.075	-3.813	-0.023
2650.1	-1.030	34.894	1488.3	28.069	29.203	-1.165	28.074	-3.855	-0.025
2700.0	-1.033	34.895	1489.2	28.069	29.220	-1.172	28.075	-4.034	-0.027
2702.0	-1.033	34.894	1489.2	28.068	29.220	-1.172	28.074	-3.984	-0.027

STA. 036 72-28.3N 002-31.2W 08/17/90 16.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 028/025, AIR TEMP. 7.8° C, DEW PT 7.8°C, DEPTH 2950 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	6.837	34.134	1476.9	26.759	34.346	6.836	26.759	127.638	0.003
3.0	6.814	34.107	1476.8	26.740	34.301	6.814	26.741	129.419	0.004
5.0	6.806	34.108	1476.8	26.742	34.296	6.806	26.743	129.233	0.006
7.0	6.797	34.114	1476.8	26.749	34.294	6.796	26.749	128.688	0.009
9.0	6.798	34.113	1476.9	26.747	34.295	6.797	26.748	128.858	0.012
11.0	6.794	34.115	1476.9	26.750	34.294	6.793	26.750	128.628	0.014
13.0	6.777	34.124	1476.9	26.759	34.288	6.776	26.759	127.804	0.017
15.1	6.735	34.119	1476.7	26.761	34.247	6.734	26.761	127.667	0.019
17.0	4.571	34.478	1468.5	27.310	32.626	4.570	27.310	75.545	0.022
19.0	3.560	34.294	1464.1	27.268	31.577	3.558	27.269	79.487	0.023
21.0	2.231	34.372	1458.6	27.449	30.482	2.230	27.450	62.246	0.024
23.1	2.013	34.526	1457.9	27.590	30.417	2.012	27.591	48.893	0.026
25.0	2.019	34.538	1457.9	27.599	30.433	2.018	27.600	48.072	0.027
27.1	1.578	34.591	1456.1	27.676	30.093	1.577	27.676	40.787	0.027
29.1	1.266	34.566	1454.7	27.678	29.805	1.265	27.679	40.572	0.028
31.0	1.034	34.558	1453.7	27.687	29.599	1.033	27.688	39.694	0.029
35.1	0.493	34.586	1451.4	27.744	29.158	0.492	27.744	34.309	0.031
40.0	0.167	34.634	1450.0	27.801	28.918	0.165	27.802	28.842	0.032
45.0	-0.202	34.645	1448.4	27.830	28.614	-0.204	27.830	26.064	0.033
50.0	-0.387	34.668	1447.7	27.857	28.476	-0.389	27.858	23.453	0.035
60.1	-0.577	34.686	1447.0	27.881	28.333	-0.579	27.881	21.184	0.037
70.1	-0.682	34.719	1446.7	27.912	28.273	-0.684	27.913	18.164	0.039
80.3	-0.600	34.729	1447.3	27.916	28.354	-0.603	27.917	17.764	0.040
90.0	-0.672	34.747	1447.1	27.934	28.311	-0.675	27.935	16.046	0.042
100.1	-0.511	34.777	1448.1	27.951	28.475	-0.514	27.952	14.451	0.044
110.1	-0.269	34.808	1449.4	27.964	28.709	-0.272	27.965	13.269	0.045
120.0	0.110	34.850	1451.3	27.979	29.070	0.105	27.980	12.007	0.046
130.0	0.110	34.842	1451.5	27.973	29.068	0.105	27.973	12.625	0.048
140.0	0.137	34.853	1451.8	27.980	29.104	0.131	27.980	11.954	0.049
150.0	0.326	34.871	1452.9	27.984	29.285	0.320	27.985	11.650	0.050
160.0	0.314	34.871	1453.0	27.984	29.279	0.308	27.985	11.608	0.051
170.1	0.342	34.881	1453.3	27.991	29.316	0.336	27.992	11.011	0.052
180.1	0.197	34.867	1452.7	27.988	29.185	0.190	27.989	11.241	0.053
190.0	0.219	34.879	1453.0	27.996	29.217	0.211	27.997	10.483	0.054
200.0	0.251	34.838	1453.3	28.002	29.256	0.243	28.003	9.959	0.055
220.1	0.158	34.882	1453.2	28.002	29.181	0.149	28.003	9.859	0.057
240.0	0.127	34.882	1453.4	28.004	29.164	0.118	28.005	9.691	0.059
260.0	0.097	34.884	1453.6	28.007	29.149	0.087	28.008	9.370	0.061
280.0	0.059	34.885	1453.8	28.010	29.126	0.049	28.011	9.081	0.063
300.0	0.025	34.885	1453.9	28.012	29.106	0.014	28.013	8.875	0.065
320.0	-0.045	34.883	1453.9	28.014	29.053	-0.057	28.015	8.631	0.067
340.0	-0.091	34.884	1454.1	28.017	29.023	-0.104	28.018	8.285	0.068
360.1	-0.136	34.885	1454.2	28.020	28.995	-0.150	28.021	7.931	0.070
380.1	-0.189	34.884	1454.3	28.022	28.958	-0.203	28.023	7.703	0.072
400.0	-0.224	34.883	1454.4	28.023	28.936	-0.239	28.024	7.540	0.073
450.0	-0.298	34.884	1454.9	28.027	28.897	-0.314	28.029	6.981	0.077
500.0	-0.268	34.893	1455.9	28.034	28.952	-0.287	28.035	6.406	0.080
550.1	-0.360	34.893	1456.3	28.038	28.895	-0.381	28.040	5.786	0.083
600.0	-0.379	34.899	1457.0	28.043	28.906	-0.402	28.045	5.206	0.086
650.1	-0.445	34.900	1457.5	28.047	28.873	-0.470	28.049	4.657	0.088
700.1	-0.549	34.896	1457.9	28.049	28.803	-0.576	28.051	4.226	0.091
750.0	-0.665	34.890	1458.1	28.050	28.722	-0.693	28.051	3.862	0.093
800.0	-0.645	34.896	1459.1	28.054	28.766	-0.675	28.055	3.433	0.094
850.0	-0.623	34.901	1460.0	28.057	28.810	-0.656	28.058	3.123	0.096
900.0	-0.634	34.904	1460.8	28.060	28.825	-0.669	28.062	2.731	0.097
950.0	-0.661	34.904	1461.5	28.061	28.824	-0.698	28.063	2.420	0.099
1000.0	-0.700	34.904	1462.1	28.062	28.812	-0.739	28.064	2.106	0.100



STA. 037 71-54.3N 003-42.6W 08/17/90 23.1 HRS GMT, 999 RECORDS  
WIND KNOTS/DIR 015/070, AIR TEMP. 7.8° C, DEW PT 7.8°C, DEPTH 2125 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	7.770	34.632	1481.1	27.018	35.651	7.769	27.019	103.021	0.002
3.0	7.770	34.630	1481.1	27.017	35.650	7.770	27.018	103.176	0.003
5.0	7.768	34.630	1481.2	27.018	35.650	7.767	27.018	103.129	0.005
7.0	7.763	34.630	1481.2	27.018	35.646	7.763	27.019	103.115	0.007
9.0	7.762	34.630	1481.2	27.019	35.646	7.761	27.019	103.117	0.009
11.0	7.763	34.630	1481.2	27.018	35.648	7.762	27.019	103.179	0.011
13.1	7.758	34.631	1481.3	27.020	35.645	7.757	27.021	103.071	0.013
15.0	7.757	34.632	1481.3	27.021	35.645	7.755	27.021	103.033	0.015
17.0	7.747	34.634	1481.3	27.024	35.640	7.746	27.025	102.770	0.018
19.0	7.730	34.640	1481.3	27.031	35.630	7.728	27.032	102.129	0.020
21.0	7.658	34.645	1481.0	27.045	35.569	7.656	27.046	100.818	0.022
23.0	7.523	34.651	1480.6	27.069	35.452	7.521	27.070	98.555	0.024
25.0	7.022	34.636	1478.6	27.129	34.980	7.020	27.130	92.904	0.026
27.0	5.596	34.668	1473.1	27.341	33.713	5.594	27.341	72.794	0.027
29.0	4.936	34.705	1470.5	27.448	33.151	4.933	27.449	62.569	0.029
31.0	4.628	34.755	1469.4	27.523	32.919	4.626	27.524	55.489	0.030
35.1	3.851	34.768	1466.2	27.617	32.237	3.849	27.618	46.597	0.032
40.0	2.156	34.565	1458.8	27.610	30.581	2.154	27.611	47.114	0.034
45.1	0.380	34.522	1450.9	27.699	29.017	0.378	27.699	38.547	0.036
50.1	0.052	34.553	1449.6	27.746	28.767	0.051	27.746	34.038	0.038
60.0	-0.244	34.625	1448.4	27.816	28.571	-0.246	27.816	27.370	0.041
70.0	-0.302	34.669	1448.4	27.854	28.558	-0.305	27.854	23.768	0.043
80.0	-0.313	34.693	1448.5	27.874	28.572	-0.315	27.874	21.845	0.046
90.0	-0.403	34.707	1448.3	27.889	28.510	-0.405	27.890	20.352	0.048
100.0	-0.607	34.712	1447.5	27.903	28.346	-0.610	27.904	18.953	0.050
110.0	-0.640	34.729	1447.6	27.918	28.335	-0.643	27.919	17.519	0.052
120.0	-0.600	34.745	1447.9	27.929	28.385	-0.603	27.930	16.448	0.053
130.0	-0.460	34.770	1448.8	27.943	28.527	-0.464	27.944	15.210	0.055
140.1	-0.185	34.794	1450.2	27.949	28.734	-0.190	27.950	14.714	0.056
150.0	-0.157	34.811	1450.6	27.961	28.825	-0.162	27.962	13.583	0.058
160.0	0.157	34.845	1452.2	27.972	29.125	0.151	27.973	12.689	0.059
170.0	0.209	34.855	1452.6	27.977	29.181	0.202	27.978	12.249	0.060
180.0	0.214	34.862	1452.8	27.982	29.195	0.207	27.983	11.759	0.061
190.1	0.225	34.866	1453.0	27.985	29.212	0.217	27.986	11.499	0.063
200.0	0.218	34.870	1453.2	27.989	29.214	0.210	27.990	11.140	0.064
220.0	0.208	34.875	1453.5	27.993	29.219	0.200	27.994	10.735	0.066
240.0	0.133	34.878	1453.7	27.997	29.209	0.174	27.998	10.356	0.068
260.0	0.121	34.878	1453.7	28.000	29.165	0.111	28.001	10.021	0.070
280.0	0.106	34.882	1454.0	28.005	29.163	0.095	28.006	9.615	0.072
300.2	0.069	34.883	1454.1	28.008	29.142	0.057	28.009	9.301	0.074
320.0	0.010	34.882	1454.2	28.010	29.099	-0.003	28.011	9.006	0.076
340.0	-0.003	34.885	1454.5	28.013	29.100	-0.016	28.014	8.714	0.077
360.0	-0.067	34.882	1454.5	28.014	29.052	-0.081	28.015	8.555	0.079
380.0	-0.111	34.882	1454.6	28.016	29.023	-0.126	28.018	8.281	0.081
400.0	-0.170	34.881	1454.7	28.019	28.981	-0.186	28.020	7.989	0.082
450.0	-0.281	34.880	1455.0	28.023	28.908	-0.298	28.025	7.378	0.086
500.1	-0.266	34.889	1455.9	28.030	28.950	-0.235	28.032	6.702	0.090
550.0	-0.318	34.893	1456.5	28.035	28.931	-0.338	28.037	6.101	0.093
600.0	-0.409	34.893	1456.9	28.040	28.876	-0.432	28.042	5.450	0.096
650.0	-0.447	34.895	1457.5	28.044	28.867	-0.472	28.046	4.978	0.099
700.0	-0.425	34.902	1458.4	28.048	28.914	-0.452	28.050	4.566	0.101
750.0	-0.493	34.901	1458.9	28.051	28.877	-0.522	28.053	4.074	0.103
800.0	-0.518	34.904	1459.7	28.054	28.830	-0.549	28.056	3.672	0.105
850.0	-0.557	34.905	1460.3	28.057	28.870	-0.590	28.059	3.214	0.107
900.0	-0.587	34.906	1461.0	28.060	28.867	-0.622	28.062	2.847	0.108
950.0	-0.617	34.908	1461.7	28.062	28.864	-0.655	28.064	2.449	0.110
1000.0	-0.653	34.906	1462.3	28.063	28.854	-0.693	28.065	2.217	0.111

STA. 038 71-22.4N 005- 4.9W 08/18/90 5.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 013/035, AIR TEMP. 8.9° C, DEW PT 8.9°C, DEPTH 2700 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	7.161	34.438	1478.6	26.953	34.915	7.160	26.954	109.212	0.002
3.0	7.159	34.436	1478.6	26.952	34.913	7.159	26.953	109.292	0.003
5.0	7.162	34.438	1478.6	26.954	34.918	7.161	26.954	109.216	0.005
7.3	7.151	34.437	1478.6	26.954	34.908	7.150	26.955	109.174	0.008
9.0	7.149	34.437	1478.6	26.954	34.907	7.148	26.955	109.233	0.010
11.1	7.150	34.438	1478.7	26.955	34.910	7.149	26.955	109.208	0.012
13.1	7.137	34.434	1478.6	26.954	34.896	7.136	26.955	109.307	0.014
15.1	7.110	34.428	1478.6	26.953	34.866	7.109	26.953	109.463	0.016
17.0	7.077	34.427	1478.5	26.956	34.836	7.075	26.957	109.134	0.019
19.0	6.952	34.418	1478.0	26.967	34.716	6.950	26.968	108.160	0.021
21.0	6.817	34.433	1477.5	26.997	34.607	6.815	26.997	105.370	0.023
23.0	6.178	34.484	1475.1	27.122	34.075	6.176	27.123	93.499	0.025
25.1	5.927	34.499	1474.2	27.166	33.863	5.925	27.167	89.329	0.027
27.0	5.457	34.467	1472.3	27.199	33.413	5.455	27.199	86.231	0.029
29.0	4.470	34.550	1468.4	27.378	32.602	4.468	27.379	69.221	0.030
31.0	3.760	34.561	1465.5	27.461	31.981	3.758	27.462	61.315	0.031
35.0	2.718	34.618	1461.2	27.606	31.112	2.716	27.606	47.583	0.034
40.0	2.247	34.669	1459.3	27.686	30.743	2.245	27.686	39.967	0.036
45.0	1.689	34.638	1456.9	27.705	30.235	1.687	27.706	38.084	0.038
50.0	1.233	34.668	1455.0	27.762	29.866	1.231	27.763	32.652	0.040
60.0	0.427	34.720	1451.6	27.856	29.215	0.425	27.856	23.732	0.043
70.0	0.361	34.791	1451.6	27.917	29.218	0.359	27.918	17.886	0.045
80.0	0.673	34.789	1453.2	27.897	29.489	0.670	27.897	19.900	0.047
90.0	0.549	34.827	1452.8	27.935	29.416	0.545	27.936	16.284	0.048
100.0	0.174	34.798	1451.2	27.934	29.076	0.170	27.934	16.323	0.050
110.0	0.568	34.840	1453.3	27.944	29.451	0.563	27.944	15.481	0.052
120.0	0.087	34.829	1451.2	27.963	29.034	0.083	27.964	13.502	0.053
130.0	0.544	34.874	1453.5	27.973	29.466	0.539	27.974	12.760	0.054
140.0	0.630	34.879	1454.1	27.972	29.548	0.624	27.973	12.897	0.056
150.0	0.684	34.889	1454.5	27.977	29.608	0.678	27.977	12.488	0.057
160.0	0.673	34.891	1454.6	27.979	29.604	0.666	27.980	12.275	0.058
170.0	0.644	34.891	1454.6	27.980	29.583	0.636	27.981	12.159	0.059
180.0	0.508	34.885	1454.2	27.984	29.467	0.501	27.985	11.706	0.061
190.0	0.428	34.883	1454.0	27.987	29.400	0.420	27.988	11.405	0.062
200.0	0.400	34.885	1454.0	27.991	29.383	0.392	27.992	11.072	0.063
220.0	0.298	34.880	1453.9	27.993	29.300	0.289	27.994	10.841	0.065
240.0	0.219	34.885	1453.8	28.001	29.245	0.209	28.002	10.019	0.067
260.0	0.197	34.887	1454.1	28.003	29.237	0.187	28.005	9.732	0.069
280.0	0.143	34.888	1454.2	28.008	29.200	0.131	28.009	9.330	0.071
300.0	0.106	34.888	1454.3	28.009	29.177	0.094	28.011	9.154	0.073
320.1	0.062	34.890	1454.4	28.013	29.150	0.050	28.014	8.757	0.075
340.0	0.002	34.888	1454.5	28.015	29.106	-0.011	28.016	8.533	0.076
360.0	-0.040	34.887	1454.6	28.017	29.078	-0.054	28.018	8.343	0.078
380.0	-0.100	34.885	1454.7	28.019	29.035	-0.114	28.020	8.100	0.080
400.0	-0.153	34.884	1454.8	28.020	28.998	-0.168	28.022	7.848	0.081
450.0	-0.148	34.893	1455.6	28.027	29.032	-0.165	28.029	7.176	0.085
500.0	-0.245	34.893	1456.0	28.032	28.971	-0.264	28.033	6.577	0.089
550.1	-0.299	34.897	1456.6	28.038	28.950	-0.320	28.039	5.906	0.092
600.0	-0.331	34.900	1457.2	28.043	28.948	-0.354	28.044	5.368	0.094
650.0	-0.336	34.900	1457.8	28.045	28.924	-0.410	28.047	4.993	0.097
700.0	-0.420	34.903	1458.5	28.049	28.919	-0.447	28.051	4.484	0.099
750.0	-0.476	34.903	1459.0	28.052	28.893	-0.505	28.054	4.062	0.102
800.0	-0.512	34.903	1459.7	28.054	28.885	-0.542	28.055	3.745	0.103
850.0	-0.547	34.905	1460.4	28.057	28.878	-0.580	28.059	3.279	0.105
900.0	-0.578	34.906	1461.0	28.059	28.875	-0.613	28.061	2.920	0.107
950.0	-0.641	34.904	1461.6	28.060	28.841	-0.678	28.062	2.594	0.108
1000.0	-0.633	34.909	1462.4	28.063	28.873	-0.673	28.066	2.196	0.109

STA. 039S 70-59.3N 006-30.5W 08/18/90 11.1 HRS GMT, 999 RECORDS  
WIND KNOTS/DIR 028/030, AIR TEMP. 8.9° C, DEW PT 7.8°C, DEPTH 3660 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	6.757	34.317	1476.8	26.914	34.439	6.756	26.914	112.949	0.002
3.0	6.756	34.316	1476.9	26.913	34.438	6.755	26.914	112.998	0.003
5.1	6.753	34.312	1476.9	26.910	34.432	6.752	26.911	113.329	0.006
7.0	6.752	34.314	1476.9	26.912	34.434	6.751	26.913	113.179	0.008
9.0	6.709	34.316	1476.8	26.919	34.398	6.708	26.920	112.514	0.010
11.1	6.700	34.317	1476.8	26.922	34.392	6.699	26.922	112.323	0.013
13.0	6.645	34.311	1476.6	26.924	34.337	6.644	26.924	112.148	0.015
15.0	4.796	34.350	1469.3	27.183	32.714	4.795	27.183	87.592	0.017
17.2	4.144	34.454	1466.8	27.336	32.226	4.143	27.337	73.011	0.018
19.0	3.986	34.448	1466.1	27.348	32.081	3.985	27.349	71.908	0.020
21.4	3.451	34.482	1464.0	27.429	31.639	3.450	27.429	64.283	0.021
23.0	3.358	34.491	1463.6	27.445	31.565	3.356	27.445	62.772	0.022
25.0	3.351	34.530	1463.7	27.476	31.592	3.350	27.477	59.779	0.024
27.2	3.224	34.538	1463.2	27.495	31.488	3.222	27.496	58.033	0.025
29.0	2.936	34.588	1462.0	27.561	31.276	2.934	27.562	51.748	0.026
31.0	2.602	34.596	1460.6	27.598	30.991	2.600	27.598	48.290	0.027
35.1	2.285	34.579	1459.3	27.611	30.702	2.283	27.611	47.054	0.029
40.0	2.138	34.609	1458.8	27.647	30.600	2.136	27.648	43.601	0.031
45.0	1.619	34.640	1456.6	27.712	30.175	1.616	27.713	37.419	0.033
50.0	1.510	34.648	1456.2	27.726	30.089	1.508	27.727	36.102	0.035
60.0	1.352	34.680	1455.7	27.764	29.982	1.349	27.764	32.569	0.038
70.0	0.672	34.720	1452.9	27.841	29.431	0.669	27.842	25.137	0.041
80.0	0.422	34.731	1452.0	27.865	29.229	0.419	27.866	22.821	0.043
90.1	0.131	34.743	1450.8	27.891	28.993	0.128	27.892	20.290	0.046
100.0	0.070	34.755	1450.7	27.904	28.955	0.067	27.905	19.054	0.048
110.0	0.086	34.770	1451.0	27.915	28.983	0.081	27.916	18.016	0.049
120.1	0.022	34.779	1450.8	27.926	28.940	0.017	27.927	16.975	0.051
130.0	0.045	34.790	1451.1	27.934	28.973	0.040	27.934	16.265	0.053
140.0	0.095	34.807	1451.5	27.945	29.034	0.090	27.946	15.236	0.054
150.0	0.174	34.823	1452.1	27.954	29.118	0.168	27.955	14.424	0.056
160.1	0.298	34.843	1452.9	27.963	29.245	0.292	27.963	13.653	0.057
170.3	0.401	34.859	1453.5	27.970	29.351	0.395	27.971	13.024	0.059
180.0	0.451	34.867	1453.9	27.973	29.403	0.443	27.974	12.775	0.060
190.0	0.476	34.871	1454.2	27.975	29.433	0.468	27.976	12.581	0.061
200.0	0.494	34.878	1454.4	27.979	29.458	0.486	27.980	12.222	0.062
220.1	0.543	34.893	1455.0	27.988	29.521	0.534	27.989	11.435	0.065
240.1	0.509	34.898	1455.2	27.994	29.505	0.499	27.996	10.828	0.067
260.1	0.521	34.905	1455.6	28.000	29.530	0.510	28.001	10.370	0.069
280.1	0.460	34.909	1455.6	28.006	29.489	0.448	28.007	9.744	0.071
300.1	0.253	34.894	1455.0	28.006	29.309	0.241	28.007	9.573	0.073
320.0	0.121	34.890	1454.7	28.010	29.200	0.108	28.011	9.110	0.075
340.0	0.084	34.893	1454.9	28.015	29.181	0.071	28.016	8.657	0.077
360.0	0.053	34.892	1455.1	28.016	29.163	0.039	28.017	8.432	0.078
380.0	-0.053	34.888	1454.9	28.018	29.077	-0.068	28.019	8.202	0.080
400.0	-0.097	34.887	1455.0	28.020	29.048	-0.112	28.021	7.998	0.082
450.0	-0.179	34.885	1455.5	28.022	28.999	-0.197	28.024	7.594	0.086
500.0	-0.240	34.892	1456.0	28.031	28.975	-0.259	28.032	6.698	0.089
550.1	-0.249	34.901	1456.8	28.039	28.996	-0.270	28.040	5.922	0.092
600.0	-0.289	34.901	1457.4	28.041	28.985	-0.312	28.043	5.583	0.095
650.1	-0.338	34.903	1458.0	28.045	28.967	-0.363	28.046	5.111	0.098
700.0	-0.405	34.903	1458.5	28.048	28.932	-0.432	28.050	4.579	0.100
750.0	-0.483	34.901	1459.0	28.051	28.886	-0.512	28.052	4.150	0.102
800.1	-0.539	34.904	1459.6	28.055	28.862	-0.569	28.057	3.544	0.104
850.1	-0.581	34.904	1460.2	28.057	28.848	-0.614	28.059	3.189	0.106
900.0	-0.614	34.904	1460.9	28.059	28.843	-0.649	28.061	2.840	0.108
950.1	-0.616	34.907	1461.7	28.061	28.864	-0.654	28.063	2.543	0.109
1000.0	-0.677	34.906	1462.2	28.063	28.834	-0.716	28.066	2.063	0.110



STA. 039D 70-59.2N 006-31.6W 08/18/90 12.1 HRS GMT, 1251 RECORDS  
WIND KNOTS/DIR 028/030, AIR TEMP. 8.9° C, DEW PT 7.8°C, DEPTH 3660 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1000.0	-0.677	34.906	1462.2	28.063	28.834	-0.716	28.066	2.063	0.000
1050.1	-0.709	34.905	1462.9	28.064	28.828	-0.750	28.066	1.858	0.001
1100.0	-0.736	34.906	1463.6	28.065	28.827	-0.780	28.068	1.511	0.002
1150.1	-0.760	34.906	1464.3	28.067	28.829	-0.805	28.069	1.202	0.002
1200.0	-0.785	34.905	1465.0	28.067	28.828	-0.833	28.070	0.960	0.003
1250.1	-0.804	34.906	1465.8	28.069	28.834	-0.854	28.071	0.660	0.003
1300.0	-0.819	34.906	1466.5	28.069	28.842	-0.872	28.072	0.450	0.004
1350.0	-0.834	34.906	1467.3	28.070	28.851	-0.889	28.073	0.239	0.004
1400.1	-0.851	34.906	1468.1	28.071	28.858	-0.909	28.074	-0.016	0.004
1450.1	-0.865	34.906	1468.8	28.071	28.867	-0.925	28.074	-0.227	0.004
1500.1	-0.875	34.905	1469.6	28.071	28.879	-0.938	28.074	-0.390	0.004
1550.1	-0.886	34.905	1470.4	28.072	28.890	-0.952	28.075	-0.592	0.003
1600.1	-0.895	34.905	1471.2	28.072	28.904	-0.963	28.075	-0.779	0.003
1650.1	-0.905	34.905	1472.0	28.072	28.916	-0.976	28.076	-0.985	0.003
1700.1	-0.913	34.905	1472.8	28.072	28.930	-0.987	28.076	-1.128	0.002
1750.0	-0.923	34.904	1473.6	28.072	28.942	-1.000	28.076	-1.318	0.002
1800.1	-0.927	34.904	1474.4	28.073	28.959	-1.007	28.076	-1.470	0.001
1850.1	-0.932	34.904	1475.2	28.072	28.975	-1.014	28.076	-1.602	0.000
1900.1	-0.934	34.904	1476.1	28.073	28.993	-1.020	28.077	-1.749	-0.001
1950.1	-0.937	34.904	1476.9	28.073	29.012	-1.025	28.077	-1.874	-0.002
2000.1	-0.938	34.903	1477.7	28.072	29.030	-1.030	28.076	-1.986	-0.003
2050.0	-0.939	34.903	1478.6	28.072	29.050	-1.034	28.076	-2.100	-0.004
2100.0	-0.939	34.902	1479.4	28.072	29.069	-1.037	28.076	-2.158	-0.005
2150.1	-0.940	34.903	1480.3	28.072	29.089	-1.042	28.077	-2.339	-0.006
2200.0	-0.941	34.903	1481.1	28.072	29.108	-1.046	28.076	-2.441	-0.007
2250.1	-0.941	34.903	1481.9	28.072	29.128	-1.049	28.077	-2.553	-0.008
2300.1	-0.940	34.902	1482.8	28.071	29.148	-1.052	28.076	-2.611	-0.010
2350.1	-0.940	34.902	1483.6	28.071	29.168	-1.054	28.076	-2.722	-0.011
2400.1	-0.939	34.902	1484.5	28.071	29.188	-1.058	28.076	-2.834	-0.012
2450.0	-0.938	34.902	1485.4	28.071	29.209	-1.060	28.076	-2.947	-0.014
2500.1	-0.937	34.902	1486.2	28.071	29.229	-1.063	28.077	-3.060	-0.015
2550.1	-0.936	34.902	1487.1	28.071	29.249	-1.066	28.076	-3.140	-0.017
2600.0	-0.934	34.901	1487.9	28.070	29.270	-1.067	28.076	-3.218	-0.018
2650.1	-0.932	34.901	1488.8	28.070	29.292	-1.068	28.076	-3.273	-0.020
2700.1	-0.930	34.901	1489.7	28.070	29.312	-1.071	28.076	-3.359	-0.022
2750.0	-0.929	34.901	1490.5	28.070	29.332	-1.073	28.076	-3.494	-0.023
2800.0	-0.926	34.900	1491.4	28.069	29.353	-1.074	28.076	-3.516	-0.025
2850.1	-0.925	34.901	1492.2	28.069	29.374	-1.077	28.076	-3.632	-0.027
2900.0	-0.922	34.900	1493.1	28.069	29.394	-1.078	28.076	-3.673	-0.029
2950.1	-0.919	34.900	1494.0	28.069	29.416	-1.079	28.075	-3.730	-0.031
3000.1	-0.917	34.900	1494.9	28.069	29.437	-1.081	28.076	-3.856	-0.032
3050.1	-0.913	34.900	1495.7	28.069	29.459	-1.081	28.076	-3.908	-0.034
3100.1	-0.909	34.900	1496.6	28.068	29.480	-1.081	28.076	-3.950	-0.036
3150.1	-0.905	34.900	1497.5	28.068	29.502	-1.082	28.076	-4.015	-0.038
3200.1	-0.901	34.900	1498.4	28.068	29.524	-1.082	28.076	-4.068	-0.040
3250.0	-0.897	34.900	1499.2	28.068	29.546	-1.082	28.076	-4.147	-0.042
3300.0	-0.893	34.899	1500.1	28.067	29.568	-1.082	28.075	-4.146	-0.045
3350.0	-0.888	34.900	1501.0	28.067	29.590	-1.082	28.075	-4.220	-0.047
3400.0	-0.884	34.900	1501.9	28.067	29.613	-1.082	28.076	-4.312	-0.049
3450.1	-0.879	34.899	1502.8	28.066	29.634	-1.082	28.075	-4.286	-0.051
3500.0	-0.875	34.899	1503.7	28.066	29.656	-1.082	28.075	-4.338	-0.053

STA. 040S 70-59.4N 000-48.3W 08/19/90 8.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 011/025, AIR TEMP. 10.0° C, DEW PT 5.6°C, DEPTH 2610 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	10.526	34.992	1491.7	26.854	38.575	10.526	26.855	118.603	0.002
3.0	10.447	35.056	1491.5	26.918	38.564	10.447	26.919	112.551	0.004
5.1	10.440	35.055	1491.5	26.918	38.557	10.440	26.919	112.589	0.006
7.0	10.440	35.055	1491.5	26.919	38.557	10.439	26.919	112.596	0.008
9.0	10.439	35.055	1491.6	26.919	38.557	10.437	26.919	112.645	0.010
11.0	10.438	35.056	1491.6	26.919	38.558	10.437	26.920	112.621	0.013
13.0	10.440	35.055	1491.6	26.919	38.560	10.438	26.919	112.749	0.015
15.0	10.441	35.055	1491.7	26.919	38.562	10.439	26.919	112.798	0.017
17.0	10.435	35.055	1491.7	26.920	38.558	10.433	26.920	112.739	0.019
19.1	10.422	35.057	1491.7	26.923	38.547	10.420	26.924	112.476	0.022
21.0	10.414	35.056	1491.7	26.924	38.540	10.411	26.925	112.389	0.024
23.0	10.031	35.043	1490.3	26.980	38.164	10.028	26.981	107.142	0.026
25.0	8.620	35.116	1485.3	27.269	36.904	8.617	27.270	79.702	0.028
27.2	8.014	35.116	1483.1	27.363	36.339	8.012	27.363	70.870	0.030
29.0	7.818	35.124	1482.4	27.398	36.163	7.815	27.399	67.490	0.031
31.1	7.673	35.128	1481.9	27.423	36.033	7.669	27.424	65.185	0.032
35.0	7.211	35.133	1480.2	27.493	35.610	7.207	27.494	58.561	0.035
40.0	6.970	35.140	1479.3	27.533	35.396	6.966	27.534	54.863	0.037
45.1	6.797	35.151	1478.7	27.566	35.248	6.793	27.567	51.808	0.040
50.1	6.645	35.150	1478.2	27.586	35.109	6.641	27.587	50.026	0.043
60.1	6.466	35.145	1477.7	27.606	34.944	6.460	27.608	48.199	0.048
70.0	6.350	35.144	1477.4	27.620	34.841	6.344	27.622	47.002	0.052
80.0	6.295	35.142	1477.3	27.626	34.793	6.288	27.627	46.615	0.057
90.0	6.163	35.136	1477.0	27.639	34.672	6.155	27.640	45.511	0.062
100.0	6.075	35.131	1476.8	27.646	34.590	6.067	27.647	44.982	0.066
110.0	6.003	35.126	1476.7	27.652	34.525	5.993	27.654	44.527	0.071
120.0	5.897	35.121	1476.4	27.661	34.427	5.887	27.663	43.781	0.075
130.0	5.802	35.119	1476.2	27.672	34.344	5.791	27.674	42.850	0.079
140.0	5.746	35.117	1476.1	27.677	34.295	5.734	27.679	42.531	0.084
150.0	5.656	35.111	1475.9	27.684	34.212	5.644	27.686	41.974	0.088
160.0	5.590	35.109	1475.8	27.691	34.155	5.577	27.693	41.450	0.092
170.0	5.511	35.107	1475.7	27.698	34.085	5.497	27.701	40.813	0.096
180.0	5.457	35.105	1475.6	27.704	34.039	5.442	27.706	40.420	0.100
190.1	5.353	35.099	1475.3	27.712	33.944	5.337	27.714	39.757	0.104
200.0	5.220	35.092	1475.0	27.722	33.821	5.204	27.724	38.868	0.108
220.0	5.002	35.082	1474.4	27.740	33.623	4.985	27.742	37.305	0.116
240.0	4.816	35.079	1474.0	27.759	33.461	4.793	27.762	35.635	0.123
260.0	4.692	35.079	1473.8	27.773	33.358	4.672	27.776	34.489	0.130
280.2	4.605	35.076	1473.8	27.781	33.286	4.584	27.784	33.922	0.137
300.0	4.542	35.076	1473.8	27.788	33.238	4.519	27.790	33.457	0.144
320.0	4.413	35.071	1473.6	27.798	33.126	4.389	27.801	32.602	0.150
340.0	4.358	35.072	1473.7	27.805	33.087	4.333	27.808	32.130	0.157
360.3	4.312	35.071	1473.9	27.809	33.054	4.285	27.813	31.886	0.163
380.5	4.223	35.069	1473.8	27.817	32.981	4.195	27.821	31.250	0.170
400.1	4.203	35.072	1474.1	27.822	32.974	4.174	27.825	31.030	0.176
450.1	3.972	35.061	1473.9	27.837	32.780	3.940	27.841	29.842	0.191
500.0	3.774	35.057	1473.9	27.855	32.622	3.739	27.859	28.437	0.205
550.0	3.577	35.051	1473.9	27.870	32.462	3.538	27.874	27.229	0.219
600.0	3.303	35.031	1473.5	27.881	32.224	3.262	27.885	26.233	0.233
650.0	2.840	35.005	1472.3	27.904	31.813	2.797	27.908	23.735	0.245
700.0	2.339	34.977	1471.0	27.925	31.370	2.296	27.929	21.189	0.257
750.0	1.666	34.944	1468.8	27.952	30.775	1.624	27.956	17.651	0.266
800.0	0.806	34.896	1465.7	27.974	30.012	0.767	27.977	14.012	0.274
850.0	0.547	34.911	1465.4	28.003	29.821	0.506	28.006	10.862	0.280
900.1	0.336	34.908	1465.3	28.013	29.660	0.294	28.016	9.441	0.285
950.0	0.150	34.905	1465.2	28.021	29.519	0.107	28.024	8.256	0.290
1000.0	-0.090	34.895	1464.9	28.026	29.327	-0.134	28.029	7.165	0.294

STA. 040D 70-59.6N 000-47.4W 08/19/90 8.1 HRS GMT, 752 RECORDS  
WIND KNOTS/DIR 011/025, AIR TEMP. 10.0° C, DEW PT 5.6°C, DEPTH 2590 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYN: DTH DYN M
1001.0	-0.095	34.898	1464.9	28.028	29.325	-0.139	28.031	6.941	0.000
1050.1	-0.202	34.900	1465.3	28.035	29.256	-0.248	28.038	5.958	0.003
1100.0	-0.301	34.899	1465.6	28.040	29.193	-0.349	28.043	5.197	0.006
1150.1	-0.380	34.899	1466.1	28.044	29.148	-0.429	28.047	4.525	0.008
1200.0	-0.452	34.901	1466.6	28.049	29.108	-0.503	28.052	3.794	0.010
1250.1	-0.513	34.901	1467.1	28.052	29.078	-0.566	28.055	3.245	0.012
1300.0	-0.559	34.903	1467.8	28.055	29.061	-0.615	28.058	2.674	0.014
1350.1	-0.639	34.902	1468.2	28.058	29.014	-0.697	28.061	2.037	0.015
1400.1	-0.661	34.904	1469.0	28.061	29.018	-0.721	28.064	1.604	0.016
1450.1	-0.682	34.906	1469.7	28.063	29.023	-0.744	28.067	1.221	0.017
1500.1	-0.726	34.906	1470.3	28.065	29.006	-0.791	28.068	0.776	0.017
1550.0	-0.752	34.907	1471.0	28.067	29.005	-0.820	28.071	0.388	0.017
1600.1	-0.769	34.907	1471.8	28.068	29.012	-0.839	28.071	0.156	0.017
1650.1	-0.795	34.906	1472.5	28.069	29.010	-0.868	28.072	-0.140	0.017
1700.1	-0.823	34.906	1473.2	28.070	29.007	-0.898	28.073	-0.477	0.017
1750.1	-0.837	34.906	1474.0	28.071	29.016	-0.915	28.074	-0.725	0.017
1800.1	-0.850	34.907	1474.8	28.071	29.026	-0.930	28.075	-0.963	0.017
1850.1	-0.861	34.906	1475.6	28.071	29.037	-0.945	28.075	-1.140	0.016
1900.0	-0.869	34.906	1476.4	28.072	29.050	-0.956	28.076	-1.313	0.015
1950.1	-0.883	34.905	1477.1	28.072	29.059	-0.972	28.076	-1.496	0.015
2000.0	-0.894	34.905	1477.9	28.071	29.069	-0.987	28.076	-1.666	0.014
2050.1	-0.902	34.905	1478.7	28.072	29.083	-0.998	28.077	-1.914	0.013
2100.1	-0.908	34.905	1479.6	28.072	29.097	-1.007	28.077	-2.056	0.012
2150.0	-0.915	34.905	1480.4	28.073	29.112	-1.017	28.077	-2.247	0.011
2200.1	-0.925	34.904	1481.2	28.072	29.123	-1.030	28.077	-2.383	0.010
2250.1	-0.924	34.905	1482.0	28.073	29.144	-1.032	28.077	-2.524	0.009
2300.1	-0.925	34.904	1482.9	28.073	29.163	-1.037	28.077	-2.639	0.007
2350.0	-0.922	34.904	1483.7	28.072	29.185	-1.038	28.077	-2.727	0.006
2400.0	-0.920	34.904	1484.6	28.072	29.206	-1.039	28.077	-2.784	0.005
2450.1	-0.917	34.904	1485.5	28.072	29.228	-1.040	28.077	-2.899	0.003
2500.1	-0.913	34.904	1486.3	28.072	29.251	-1.039	28.077	-2.959	0.002
2502.0	-0.913	34.904	1486.4	28.072	29.252	-1.040	28.077	-2.952	0.002



STA. 041 71-40.1N 000-29.9E 08/19/90 16.1 HRS GMT, 999 RECORDS  
WIND KNOTS/DIR 010/025, AIR TEMP. 11.7° C, DEN PT 10.0°C, DEPTH 2650 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
3.0	10.075	35.015	1490.1	26.951	38.170	10.075	26.951	109.454	0.003
5.0	10.074	35.016	1490.1	26.952	38.171	10.074	26.953	109.389	0.005
7.0	10.062	35.015	1490.1	26.953	38.160	10.062	26.954	109.321	0.008
9.1	10.058	35.015	1490.2	26.954	38.157	10.057	26.955	109.305	0.010
11.0	10.050	35.015	1490.2	26.955	38.150	10.048	26.956	109.206	0.012
13.1	10.061	35.017	1490.2	26.955	38.163	10.059	26.955	109.312	0.014
15.0	10.042	35.014	1490.2	26.955	38.142	10.040	26.956	109.294	0.016
17.0	9.997	35.007	1490.1	26.958	38.094	9.995	26.958	109.114	0.019
19.0	9.933	35.009	1489.9	26.970	38.036	9.931	26.971	107.976	0.021
21.0	9.909	35.008	1489.8	26.974	38.013	9.906	26.975	107.682	0.023
23.0	9.898	35.008	1489.8	26.976	38.004	9.895	26.977	107.538	0.025
25.0	9.889	35.007	1489.8	26.977	37.996	9.886	26.978	107.480	0.027
27.1	9.879	35.007	1489.8	26.978	37.987	9.876	26.979	107.380	0.029
29.1	9.866	35.007	1489.8	26.980	37.975	9.863	26.981	107.256	0.032
31.0	9.854	35.005	1489.8	26.981	37.964	9.851	26.982	107.245	0.034
35.2	9.760	35.007	1489.5	26.998	37.879	9.756	27.000	105.628	0.038
40.0	8.654	34.948	1485.5	27.132	36.784	8.649	27.133	92.955	0.043
45.0	6.511	34.998	1477.4	27.484	34.847	6.507	27.485	59.596	0.047
50.1	5.980	35.047	1475.5	27.592	34.406	5.975	27.593	49.310	0.049
60.1	5.562	35.047	1474.0	27.645	34.029	5.557	27.646	44.427	0.054
70.0	5.229	35.032	1472.8	27.674	33.718	5.224	27.675	41.801	0.058
80.0	5.072	35.035	1472.3	27.694	33.532	5.066	27.695	39.968	0.062
90.0	4.804	35.029	1471.4	27.721	33.339	4.797	27.722	37.491	0.066
100.0	4.690	35.034	1471.1	27.738	33.245	4.683	27.739	36.001	0.070
110.1	4.551	35.025	1470.7	27.746	33.117	4.543	27.748	35.251	0.073
120.1	4.353	35.014	1470.0	27.759	32.932	4.344	27.760	34.114	0.077
130.0	4.200	35.009	1469.5	27.772	32.796	4.191	27.773	32.955	0.080
140.3	4.131	35.019	1469.4	27.787	32.747	4.121	27.788	31.605	0.084
150.1	4.201	35.038	1469.9	27.794	32.830	4.191	27.796	31.030	0.087
160.0	4.037	35.030	1469.6	27.801	32.725	4.075	27.802	30.504	0.090
170.0	4.005	35.031	1469.4	27.810	32.657	3.993	27.812	29.679	0.093
180.1	3.912	35.022	1469.2	27.813	32.571	3.899	27.814	29.482	0.096
190.0	3.733	35.009	1468.6	27.821	32.405	3.720	27.823	28.716	0.098
200.0	3.653	35.007	1468.4	27.827	32.336	3.640	27.829	28.179	0.101
220.1	3.490	35.000	1468.0	27.838	32.193	3.475	27.840	27.244	0.107
240.0	3.395	35.000	1468.0	27.847	32.118	3.379	27.849	26.518	0.112
260.0	3.377	35.008	1468.2	27.855	32.117	3.360	27.857	25.923	0.117
280.0	3.098	34.991	1467.3	27.868	31.864	3.030	27.870	24.668	0.123
300.1	2.954	34.982	1467.0	27.875	31.738	2.935	27.877	24.085	0.127
320.0	2.920	34.998	1467.3	27.891	31.731	2.900	27.893	22.690	0.132
340.1	2.751	34.988	1466.8	27.893	31.531	2.730	27.900	22.032	0.137
360.1	2.136	34.937	1464.4	27.910	31.007	2.116	27.912	20.482	0.141
380.1	2.128	34.966	1464.8	27.934	31.033	2.107	27.936	18.319	0.145
400.0	1.921	34.951	1464.2	27.938	30.847	1.899	27.940	17.824	0.148
450.1	1.305	34.925	1462.2	27.964	30.311	1.282	27.966	14.904	0.157
500.0	0.794	34.904	1460.7	27.982	29.873	0.770	27.984	12.728	0.163
550.1	0.499	34.904	1460.2	28.000	29.641	0.474	28.002	10.685	0.169
600.0	0.274	34.906	1460.0	28.015	29.471	0.248	28.017	8.978	0.174
650.0	0.076	34.897	1459.9	28.019	29.316	0.048	28.021	8.265	0.179
700.1	-0.175	34.889	1459.6	28.026	29.117	-0.204	28.027	7.155	0.183
750.0	-0.133	34.905	1460.6	28.036	29.188	-0.164	28.038	6.244	0.186
800.0	-0.258	34.905	1460.9	28.042	29.103	-0.291	28.044	5.351	0.189
850.0	-0.371	34.905	1461.2	28.048	29.028	-0.405	28.050	4.484	0.191
900.5	-0.453	34.902	1461.6	28.050	28.978	-0.489	28.052	4.100	0.193
950.0	-0.526	34.902	1462.1	28.053	28.937	-0.564	28.055	3.551	0.195
1000.0	-0.554	34.904	1462.8	28.056	28.937	-0.594	28.058	3.115	0.197

STA. 042S 72-15.5N 001-46.1E 08/19/90 23.1 HRS GMT, 1000 RECORDS  
WIND KNOTS/DIR 004/110, AIR TEMP. 10.0° C, DEW PT 7.8°C, DEPTH 2522 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA ×10 <sup>8</sup>	DYNDTH DYN M
1.0	10.378	35.026	1491.2	26.907	38.467	10.378	26.907	113.617	0.001
3.0	10.377	35.016	1491.2	26.899	38.457	10.377	26.899	114.395	0.003
5.0	10.190	34.995	1490.5	26.915	38.260	10.190	26.916	112.887	0.006
7.0	10.102	35.006	1490.3	26.939	38.188	10.102	26.939	110.696	0.008
9.0	10.093	35.007	1490.3	26.941	38.181	10.092	26.942	110.511	0.010
11.0	10.061	35.006	1490.2	26.946	38.150	10.059	26.947	110.108	0.012
13.0	10.033	35.005	1490.1	26.950	38.124	10.031	26.951	109.743	0.015
15.1	10.005	35.002	1490.0	26.952	38.096	10.003	26.953	109.581	0.017
17.0	9.890	34.996	1489.7	26.968	37.982	9.888	26.968	108.178	0.019
19.0	9.379	34.969	1487.8	27.032	37.475	9.377	27.033	102.054	0.021
21.0	9.088	34.983	1486.8	27.091	37.215	9.085	27.091	96.577	0.023
23.0	8.560	34.959	1484.8	27.155	36.699	8.558	27.156	90.440	0.025
25.0	8.018	35.009	1482.9	27.278	36.241	8.015	27.279	78.861	0.027
27.0	7.785	35.050	1482.1	27.345	36.063	7.782	27.346	72.495	0.028
29.0	7.532	35.041	1481.2	27.376	35.821	7.529	27.376	69.638	0.030
31.0	7.129	35.091	1479.7	27.472	35.494	7.126	27.473	60.487	0.031
35.0	6.767	35.121	1478.4	27.546	35.189	6.764	27.547	53.526	0.033
40.1	6.366	35.109	1476.9	27.591	34.811	6.362	27.592	49.319	0.036
45.0	6.164	35.098	1476.2	27.609	34.618	6.160	27.610	47.712	0.038
50.1	6.007	35.087	1475.7	27.620	34.466	6.003	27.621	46.700	0.040
60.0	5.680	35.068	1474.5	27.647	34.156	5.675	27.648	44.248	0.045
70.0	5.415	35.047	1473.6	27.663	33.900	5.409	27.664	42.817	0.049
80.0	5.154	35.028	1472.7	27.679	33.650	5.148	27.680	41.420	0.053
90.0	5.092	35.044	1472.6	27.699	33.613	5.085	27.700	39.626	0.057
100.0	4.928	35.033	1472.1	27.710	33.460	4.921	27.711	38.705	0.061
110.0	4.913	35.054	1472.2	27.728	33.468	4.904	27.729	37.110	0.065
120.0	4.875	35.065	1472.2	27.741	33.448	4.866	27.742	35.959	0.069
130.0	4.778	35.069	1472.0	27.755	33.368	4.768	27.757	34.696	0.072
140.0	4.693	35.069	1471.8	27.765	33.295	4.682	27.766	33.885	0.076
150.0	4.616	35.065	1471.7	27.771	33.227	4.605	27.772	33.415	0.079
160.0	4.566	35.073	1471.6	27.782	33.193	4.554	27.784	32.428	0.082
170.0	4.481	35.064	1471.4	27.785	33.114	4.468	27.787	32.222	0.086
180.0	4.375	35.059	1471.1	27.793	33.018	4.362	27.794	31.590	0.089
190.0	4.284	35.055	1470.9	27.800	32.938	4.270	27.802	30.976	0.092
200.0	4.248	35.057	1470.9	27.805	32.911	4.233	27.807	30.550	0.095
220.0	4.129	35.058	1470.8	27.818	32.814	4.113	27.820	29.474	0.101
240.0	4.053	35.058	1470.8	27.826	32.759	4.041	27.828	28.929	0.107
260.1	3.975	35.054	1470.8	27.831	32.691	3.957	27.834	28.524	0.113
280.1	3.933	35.061	1471.0	27.841	32.668	3.913	27.844	27.768	0.118
300.0	3.838	35.058	1470.9	27.849	32.590	3.817	27.852	27.163	0.124
320.0	3.779	35.058	1471.0	27.855	32.546	3.757	27.858	26.760	0.129
340.0	3.673	35.044	1470.8	27.855	32.448	3.650	27.858	26.858	0.134
360.0	3.558	35.046	1470.7	27.868	32.356	3.533	27.871	25.680	0.140
380.6	3.425	35.037	1470.4	27.874	32.240	3.399	27.877	25.177	0.145
400.0	3.041	35.007	1469.1	27.886	31.881	3.015	27.889	23.802	0.150
450.0	2.513	34.992	1467.6	27.922	31.424	2.486	27.925	20.248	0.161
500.1	1.826	34.958	1465.4	27.952	30.815	1.798	27.954	16.888	0.170
550.0	1.350	34.937	1464.1	27.971	30.405	1.322	27.973	14.674	0.178
600.2	0.818	34.922	1462.5	27.994	29.953	0.790	27.996	11.793	0.184
650.0	0.475	34.914	1461.8	28.009	29.673	0.445	28.011	9.869	0.190
700.0	0.164	34.906	1461.2	28.021	29.421	0.134	28.023	8.226	0.194
750.0	0.015	34.904	1461.3	28.027	29.314	-0.017	28.030	7.339	0.198
800.1	-0.126	34.906	1461.5	28.036	29.216	-0.160	28.038	6.202	0.201
850.1	-0.276	34.904	1461.6	28.043	29.109	-0.311	28.045	5.229	0.204
900.1	-0.354	34.906	1462.1	28.048	29.065	-0.391	28.050	4.491	0.207
950.1	-0.436	34.906	1462.5	28.052	29.018	-0.474	28.055	3.842	0.209
1000.0	-0.522	34.907	1463.0	28.057	28.966	-0.563	28.059	3.130	0.210

STA. 042D 72-15.6N 001-47.2E 08/19/90 23.1 HRS GMT, 725 RECORDS  
WIND KNOTS/DIR 000/110, AIR TEMP. 10.0° C, DEW PT 7.8°C, DEPTH 2522 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SHDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
1005.0	-0.527	34.907	1463.0	28.057	28.964	-0.568	28.059	3.074	0.000
1050.1	-0.557	34.907	1463.6	28.059	28.959	-0.599	28.061	2.761	0.001
1100.0	-0.603	34.906	1464.2	28.060	28.941	-0.647	28.063	2.415	0.003
1150.1	-0.632	34.906	1464.9	28.061	28.938	-0.679	28.064	2.122	0.004
1200.0	-0.658	34.908	1465.6	28.064	28.938	-0.708	28.066	1.726	0.005
1250.1	-0.686	34.908	1466.3	28.065	28.935	-0.738	28.068	1.438	0.006
1300.1	-0.723	34.906	1467.0	28.065	28.924	-0.777	28.068	1.170	0.006
1350.0	-0.752	34.907	1467.7	28.068	28.921	-0.809	28.071	0.748	0.007
1400.1	-0.770	34.908	1468.4	28.069	28.928	-0.829	28.072	0.481	0.007
1450.0	-0.776	34.907	1469.3	28.069	28.944	-0.837	28.072	0.349	0.007
1500.1	-0.794	34.907	1470.0	28.069	28.949	-0.858	28.072	0.117	0.007
1550.0	-0.807	34.908	1470.8	28.070	28.960	-0.874	28.074	-0.134	0.007
1600.1	-0.823	34.909	1471.5	28.072	28.968	-0.892	28.075	-0.457	0.007
1650.0	-0.835	34.908	1472.3	28.072	28.978	-0.907	28.075	-0.633	0.007
1700.1	-0.852	34.907	1473.1	28.072	28.983	-0.927	28.075	-0.815	0.007
1750.1	-0.868	34.908	1473.9	28.073	28.991	-0.946	28.077	-1.108	0.006
1800.0	-0.872	34.907	1474.7	28.073	29.008	-0.953	28.076	-1.200	0.006
1850.0	-0.877	34.907	1475.5	28.072	29.024	-0.960	28.076	-1.314	0.005
1900.0	-0.888	34.907	1476.3	28.073	29.035	-0.975	28.077	-1.561	0.004
1950.1	-0.892	34.906	1477.1	28.073	29.052	-0.981	28.077	-1.658	0.003
2000.0	-0.899	34.906	1477.9	28.073	29.065	-0.992	28.077	-1.811	0.002
2050.0	-0.906	34.907	1478.7	28.074	29.080	-1.001	28.078	-2.038	0.002
2100.0	-0.911	34.906	1479.5	28.073	29.096	-1.010	28.078	-2.144	0.000
2150.1	-0.914	34.906	1480.4	28.073	29.113	-1.016	28.078	-2.286	-0.001
2200.1	-0.915	34.905	1481.2	28.073	29.132	-1.020	28.077	-2.366	-0.002
2250.0	-0.917	34.906	1482.1	28.073	29.150	-1.026	28.078	-2.536	-0.003
2300.1	-0.916	34.905	1482.9	28.073	29.171	-1.028	28.078	-2.623	-0.004
2350.2	-0.916	34.905	1483.8	28.073	29.191	-1.032	28.078	-2.733	-0.006
2400.0	-0.915	34.905	1484.6	28.073	29.211	-1.034	28.078	-2.821	-0.007
2450.0	-0.913	34.905	1485.5	28.073	29.232	-1.036	28.078	-2.917	-0.009



STA. 043 72-30.6N 002-15.5E 08/20/90 3.1 HRS GMT, 1002 RECORDS  
WIND KNOTS/DIR 006/030, AIR TEMP. 9.4° C, DEW PT 8.9°C, DEPTH 1980 M

PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
0.0	8.846	34.808	1485.3	26.992	36.813	8.846	26.992	105.507	0.000
1.0	8.848	34.808	1485.4	26.992	36.815	8.847	26.993	105.489	0.001
3.3	8.851	34.810	1485.4	26.993	36.822	8.851	26.994	105.439	0.003
5.0	8.871	34.818	1485.5	26.996	36.848	8.870	26.997	105.202	0.005
7.0	8.729	34.833	1485.1	27.030	36.731	8.729	27.031	101.990	0.007
9.0	8.666	34.841	1484.9	27.046	36.681	8.665	27.047	100.515	0.009
11.3	8.651	34.849	1484.9	27.055	36.676	8.650	27.056	99.706	0.012
13.0	8.677	34.861	1485.0	27.061	36.711	8.675	27.061	99.248	0.013
15.0	8.703	34.871	1485.1	27.064	36.746	8.701	27.065	98.926	0.015
17.1	8.694	34.876	1485.1	27.070	36.744	8.692	27.071	98.439	0.017
19.0	8.667	34.875	1485.1	27.073	36.718	8.665	27.074	98.141	0.019
21.0	8.531	34.839	1484.6	27.066	36.559	8.529	27.067	98.853	0.021
23.0	8.410	34.845	1484.1	27.089	36.453	8.408	27.090	96.688	0.023
25.0	8.448	34.857	1484.3	27.093	36.500	8.446	27.094	96.394	0.025
27.1	8.380	34.852	1484.1	27.100	36.433	8.378	27.101	95.779	0.027
29.0	8.109	34.849	1483.1	27.138	36.178	8.106	27.139	92.143	0.029
31.0	7.194	34.723	1479.5	27.173	35.220	7.191	27.174	88.820	0.031
35.0	5.867	34.891	1474.6	27.483	34.158	5.864	27.484	59.430	0.033
40.0	5.263	34.903	1472.3	27.567	33.623	5.260	27.568	51.493	0.036
45.1	4.485	34.828	1469.1	27.597	32.859	4.482	27.598	48.676	0.039
50.1	4.405	34.918	1469.0	27.677	32.866	4.401	27.678	41.111	0.041
60.1	2.258	34.739	1459.8	27.742	30.818	2.254	27.742	34.799	0.045
70.0	2.292	34.790	1460.2	27.779	30.893	2.288	27.780	31.296	0.048
80.1	1.983	34.823	1459.0	27.831	30.654	1.979	27.831	26.428	0.051
90.0	1.761	34.823	1458.2	27.848	30.464	1.757	27.849	24.776	0.053
100.1	1.475	34.846	1457.2	27.888	30.238	1.470	27.889	20.964	0.056
110.0	1.357	34.820	1456.8	27.876	30.119	1.351	27.877	22.108	0.058
120.1	0.702	34.773	1453.9	27.882	29.520	0.697	27.883	21.359	0.060
130.1	0.419	34.793	1452.8	27.915	29.297	0.414	27.916	18.169	0.062
140.0	0.457	34.809	1453.2	27.925	29.346	0.452	27.926	17.205	0.063
150.1	0.416	34.809	1453.2	27.928	29.315	0.410	27.929	16.956	0.065
160.0	0.068	34.782	1451.7	27.926	29.001	0.062	27.927	16.951	0.067
170.0	0.284	34.841	1452.9	27.962	29.236	0.277	27.963	13.700	0.068
180.6	1.099	34.904	1456.9	27.961	29.993	1.091	27.962	14.177	0.070
190.2	1.027	34.902	1456.7	27.964	29.933	1.019	27.965	13.869	0.071
200.1	0.899	34.885	1456.3	27.960	29.814	0.890	27.961	14.285	0.073
220.0	0.675	34.879	1455.6	27.969	29.624	0.665	27.970	13.328	0.075
240.0	0.240	34.863	1453.9	27.982	29.246	0.231	27.983	11.856	0.078
260.0	0.320	34.872	1454.6	27.984	29.331	0.309	27.985	11.667	0.080
280.0	0.565	34.905	1456.1	27.997	29.577	0.553	27.998	10.702	0.082
300.1	0.524	34.909	1456.2	28.002	29.553	0.511	28.003	10.189	0.085
320.0	0.471	34.910	1456.3	28.006	29.518	0.458	28.007	9.794	0.087
340.0	0.369	34.909	1456.2	28.012	29.438	0.355	28.013	9.178	0.088
360.1	0.292	34.911	1456.2	28.017	29.383	0.278	28.019	8.599	0.090
380.0	0.105	34.893	1455.6	28.014	29.217	0.090	28.015	8.763	0.092
400.0	0.013	34.892	1455.5	28.018	29.147	-0.003	28.019	8.243	0.094
450.0	-0.075	34.900	1456.0	28.029	29.099	-0.093	28.030	7.120	0.097
500.1	-0.228	34.898	1456.1	28.036	28.989	-0.248	28.037	6.259	0.101
550.0	-0.184	34.907	1457.1	28.040	29.056	-0.206	28.042	5.851	0.104
600.0	-0.301	34.905	1457.4	28.045	28.977	-0.325	28.046	5.229	0.107
650.0	-0.402	34.904	1457.7	28.049	28.913	-0.427	28.051	4.589	0.109
700.0	-0.458	34.904	1458.3	28.052	28.887	-0.485	28.053	4.173	0.111
750.0	-0.533	34.903	1458.8	28.054	28.845	-0.561	28.056	3.713	0.113
800.0	-0.570	34.905	1459.4	28.057	28.836	-0.601	28.059	3.246	0.115
850.0	-0.613	34.905	1460.0	28.060	28.822	-0.645	28.062	2.850	0.117
900.3	-0.657	34.905	1460.7	28.062	28.807	-0.692	28.064	2.459	0.118
950.0	-0.699	34.906	1461.3	28.064	28.793	-0.736	28.066	2.032	0.119
1000.0	-0.722	34.908	1462.0	28.067	28.797	-0.761	28.069	1.646	0.120

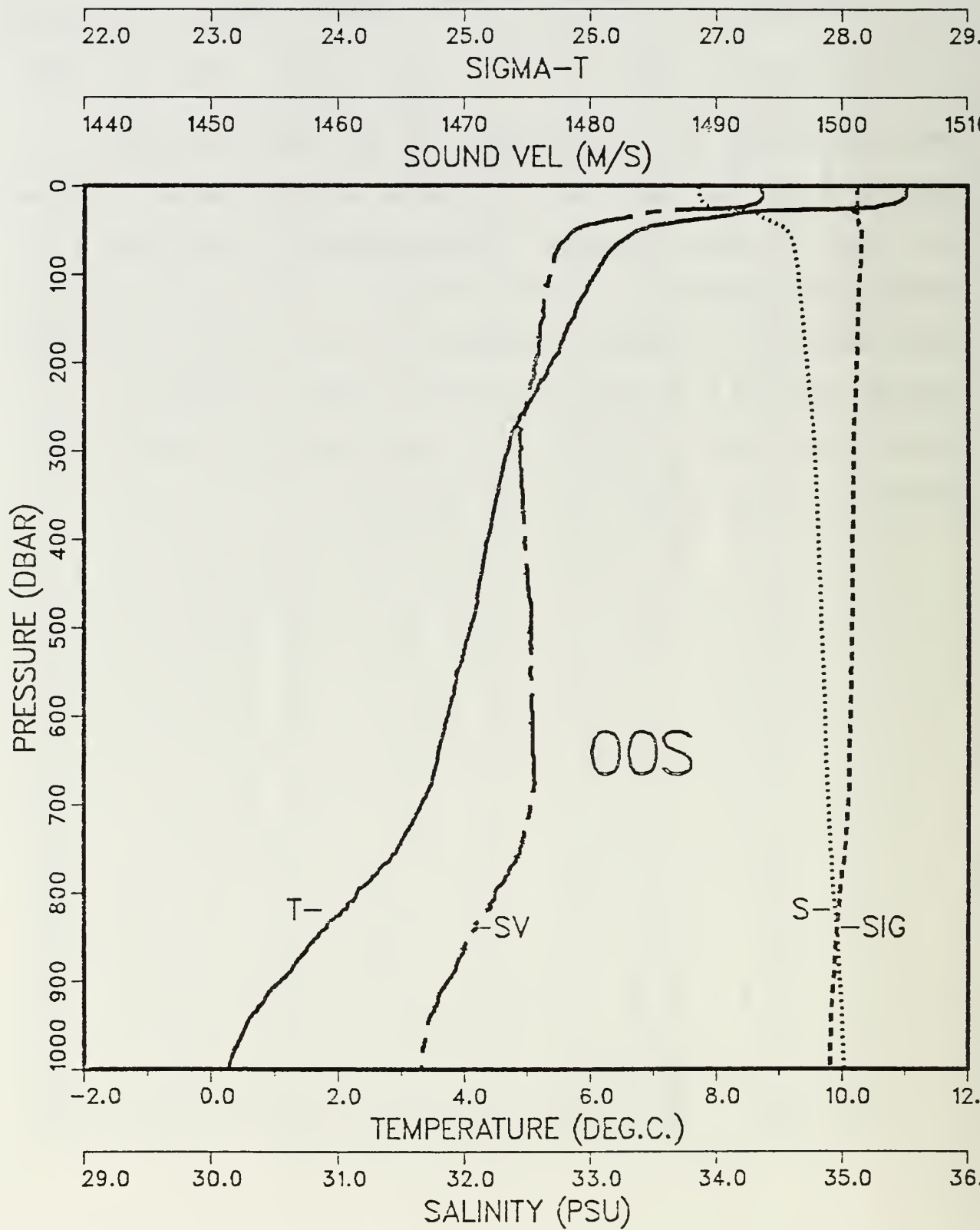
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WIND KNOTS/DIR 016/005, AIR TEMP. 9.4° C, DEW PT 7.2°C, DEPTH 2600 M

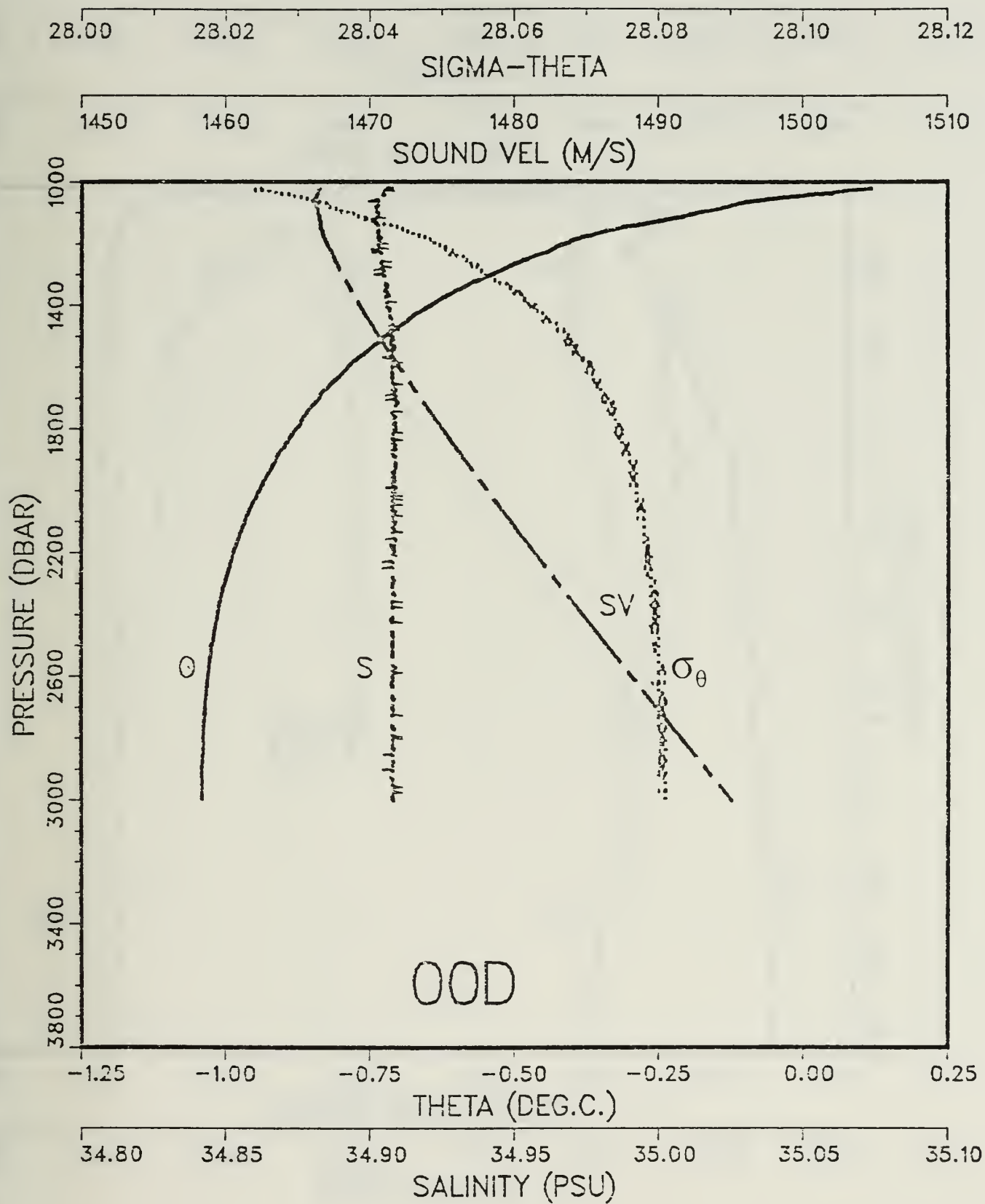
PRESS DBAR	TEMP °C	SAL'TY PSU	SNDSPD m/s	SIG-T kg/m <sup>3</sup>	COND dS/m	THETA °C	SIGTH kg/m <sup>3</sup>	SVA x10 <sup>8</sup>	DYNDTH DYN M
2.0	8.027	34.778	1482.3	27.095	36.025	8.027	27.096	95.728	0.002
3.0	8.010	34.788	1482.2	27.105	36.019	8.010	27.106	94.796	0.003
5.0	8.023	34.787	1482.3	27.103	36.031	8.022	27.103	95.066	0.005
7.1	8.048	34.783	1482.4	27.096	36.050	8.047	27.096	95.783	0.007
9.1	7.998	34.790	1482.3	27.109	36.012	7.997	27.110	94.549	0.009
11.0	7.984	34.795	1482.3	27.115	36.004	7.983	27.115	94.045	0.010
13.1	7.854	34.798	1481.8	27.137	35.888	7.852	27.138	91.962	0.012
15.1	7.736	34.830	1481.5	27.179	35.810	7.734	27.180	87.985	0.014
17.0	7.573	34.842	1480.9	27.213	35.671	7.572	27.213	84.872	0.016
19.0	7.321	34.880	1480.0	27.278	35.474	7.320	27.279	78.655	0.017
21.1	6.889	34.933	1478.4	27.381	35.125	6.887	27.382	68.939	0.019
23.0	6.502	34.930	1477.0	27.432	34.767	6.499	27.432	64.186	0.020
25.2	5.489	35.039	1473.1	27.647	33.939	5.487	27.648	43.735	0.022
27.0	5.230	35.022	1472.1	27.666	33.690	5.228	27.666	42.008	0.022
29.0	5.142	35.032	1471.8	27.684	33.619	5.139	27.684	40.335	0.023
31.0	5.087	35.027	1471.6	27.686	33.566	5.084	27.687	40.079	0.024
35.0	4.813	35.022	1470.5	27.714	33.316	4.810	27.715	37.459	0.025
40.0	4.627	35.015	1469.8	27.729	33.144	4.624	27.730	36.086	0.027
45.1	4.460	35.009	1469.2	27.744	32.991	4.457	27.744	34.770	0.029
50.0	4.183	34.991	1468.1	27.759	32.729	4.180	27.760	33.303	0.031
60.0	3.999	34.990	1467.5	27.778	32.567	3.995	27.779	31.634	0.034
70.0	3.842	34.999	1467.1	27.801	32.438	3.837	27.802	29.504	0.037
80.0	3.725	34.999	1466.7	27.813	32.338	3.720	27.814	28.414	0.040
90.0	3.628	35.003	1466.5	27.827	32.260	3.622	27.828	27.214	0.043
100.0	3.638	35.016	1466.7	27.836	32.284	3.631	27.837	26.464	0.045
110.2	3.510	35.009	1466.3	27.843	32.169	3.503	27.844	25.828	0.048
120.0	3.441	35.008	1466.2	27.849	32.111	3.433	27.850	25.334	0.051
130.0	3.454	35.015	1466.4	27.853	32.132	3.445	27.855	25.016	0.053
140.1	3.448	35.021	1466.6	27.859	32.137	3.439	27.860	24.565	0.056
150.0	3.458	35.032	1466.8	27.867	32.159	3.448	27.868	23.917	0.058
160.5	3.537	35.047	1467.3	27.870	32.247	3.526	27.872	23.712	0.061
170.0	3.445	35.037	1467.1	27.872	32.161	3.433	27.874	23.597	0.063
180.0	3.314	35.031	1466.7	27.880	32.044	3.303	27.881	22.898	0.065
190.1	3.255	35.030	1466.6	27.884	31.994	3.242	27.886	22.510	0.067
200.1	3.033	35.016	1465.8	27.894	31.791	3.021	27.896	21.549	0.070
220.0	2.757	34.997	1464.9	27.905	31.540	2.744	27.906	20.584	0.074
240.0	2.551	34.985	1464.3	27.913	31.357	2.537	27.915	19.768	0.078
260.0	2.278	34.978	1463.5	27.931	31.119	2.263	27.932	18.068	0.082
280.1	1.964	34.962	1462.4	27.944	30.840	1.949	27.946	16.704	0.085
300.1	1.150	34.903	1459.1	27.957	30.092	1.136	27.959	14.920	0.088
320.0	0.766	34.885	1457.6	27.968	29.753	0.752	27.969	13.636	0.091
340.0	0.445	34.872	1456.5	27.977	29.475	0.430	27.978	12.534	0.094
360.1	0.298	34.879	1456.2	27.992	29.363	0.283	27.993	11.033	0.096
380.1	0.336	34.893	1456.7	28.001	29.416	0.320	28.002	10.224	0.098
400.0	0.247	34.893	1456.6	28.006	29.348	0.230	28.007	9.690	0.100
450.0	-0.150	34.868	1455.6	28.007	29.011	-0.168	28.009	9.039	0.105
500.0	-0.230	34.875	1456.0	28.017	28.971	-0.249	28.019	7.979	0.109
550.1	-0.276	34.881	1456.6	28.024	28.958	-0.297	28.026	7.237	0.113
600.1	-0.210	34.893	1457.8	28.031	29.046	-0.234	28.032	6.671	0.116
650.0	-0.245	34.902	1458.5	28.040	29.045	-0.271	28.042	5.721	0.119
700.0	-0.363	34.901	1458.7	28.045	28.966	-0.390	28.047	5.000	0.122
750.0	-0.431	34.901	1459.2	28.048	28.929	-0.461	28.049	4.534	0.124
800.0	-0.491	34.900	1459.8	28.050	28.901	-0.522	28.052	4.097	0.126
850.0	-0.503	34.903	1460.6	28.053	28.914	-0.537	28.055	3.732	0.128
900.1	-0.578	34.901	1461.0	28.055	28.872	-0.613	28.057	3.286	0.130
950.0	-0.624	34.901	1461.6	28.057	28.853	-0.661	28.059	2.886	0.132
1000.0	-0.677	34.901	1462.2	28.059	28.830	-0.716	28.061	2.461	0.133

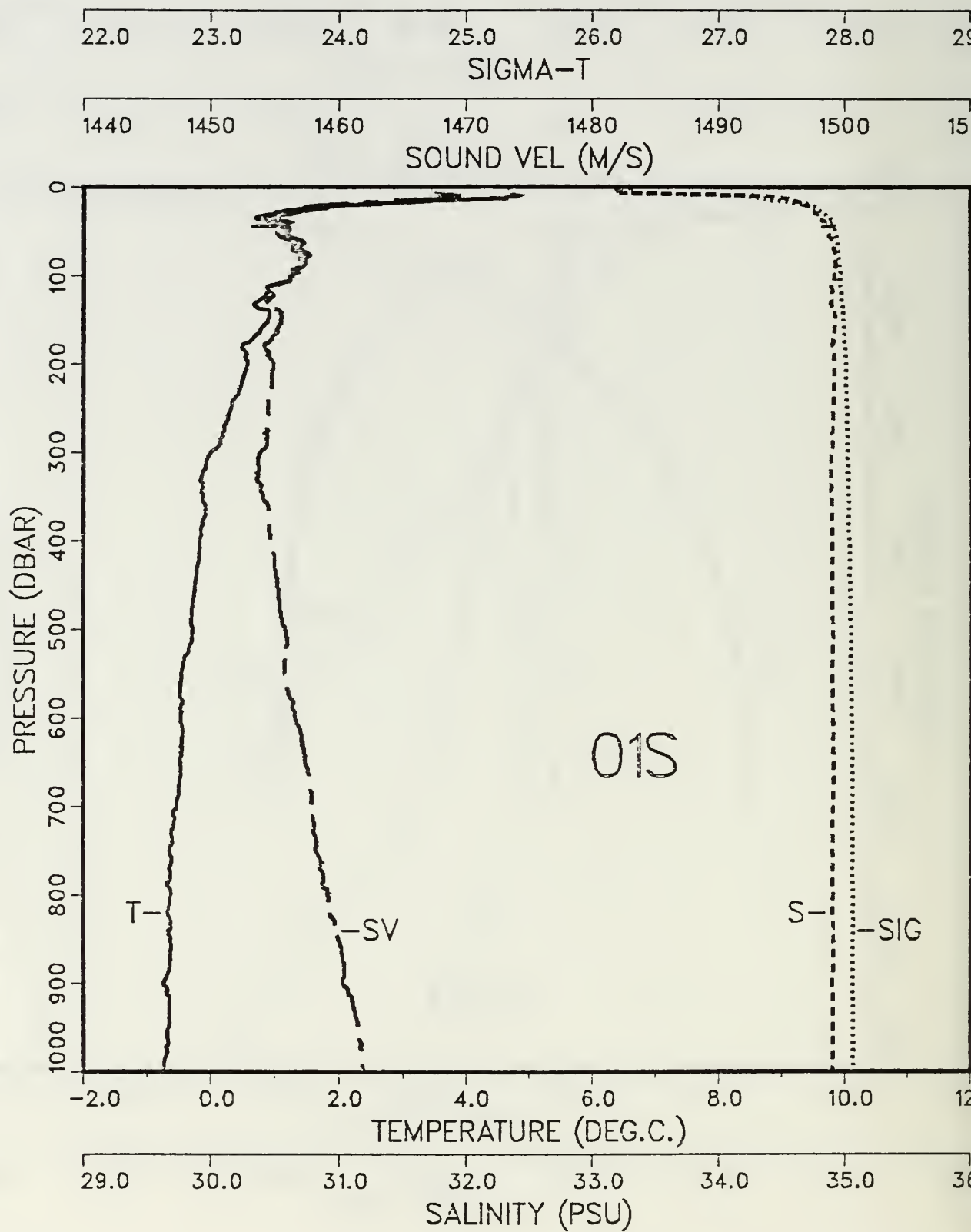
## APPENDIX B: GRAPHICAL DATA

The following pages show salinity, temperature, sound velocity and the density anomaly,  $\sigma_t$  or  $\sigma_\theta$ , versus pressure. The plots for the deep lowerings are expanded to better show the very small changes occurring at these depths and the density anomaly is plotted as  $\sigma_\theta$  rather than  $\sigma_t$  to give a truer picture of the stability. At these expanded scales, truncation of salinity, temperature and  $\sigma_\theta$  at the third decimal place introduces digitization noise which, however, does not detract from the usefulness of the plot.

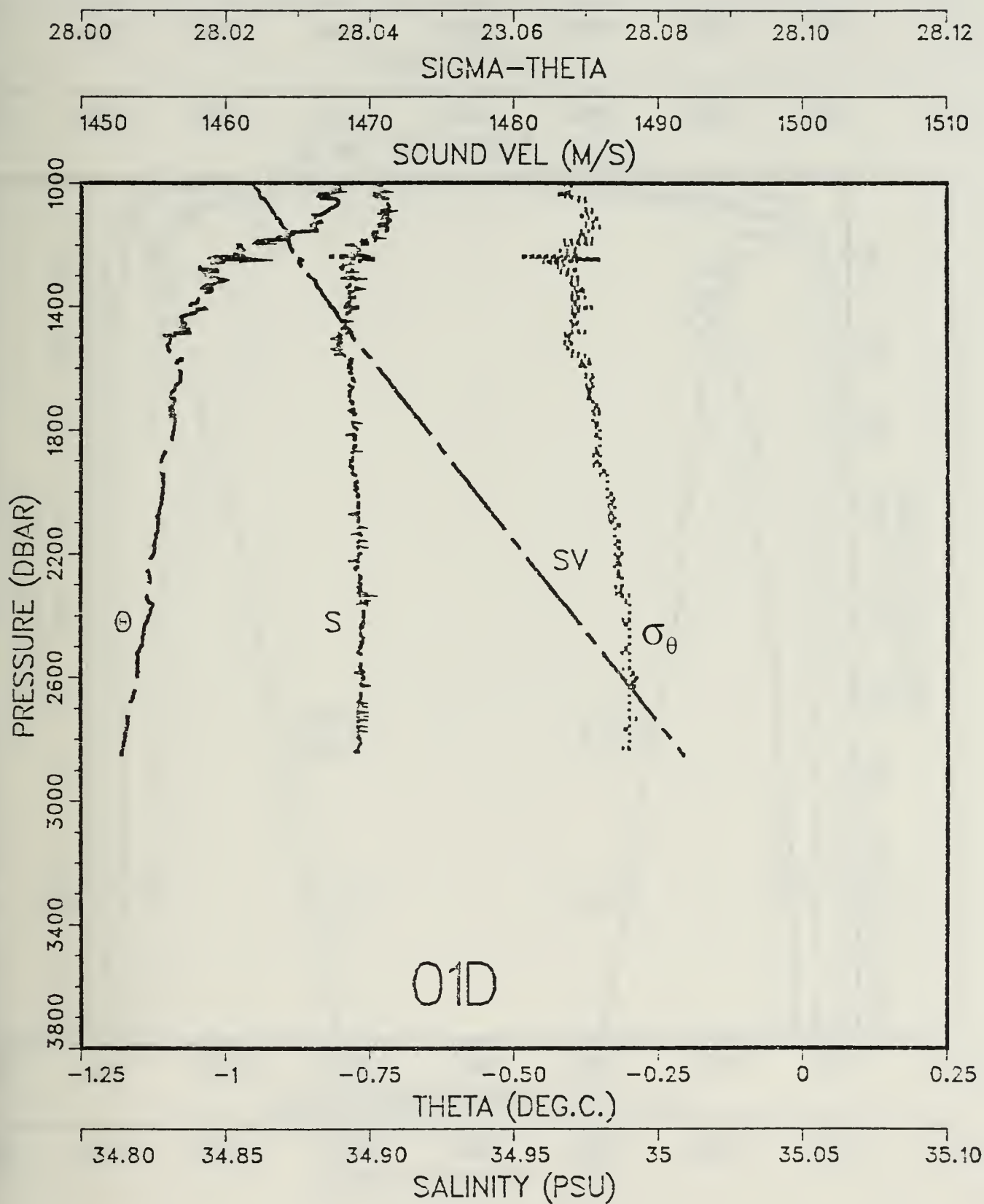


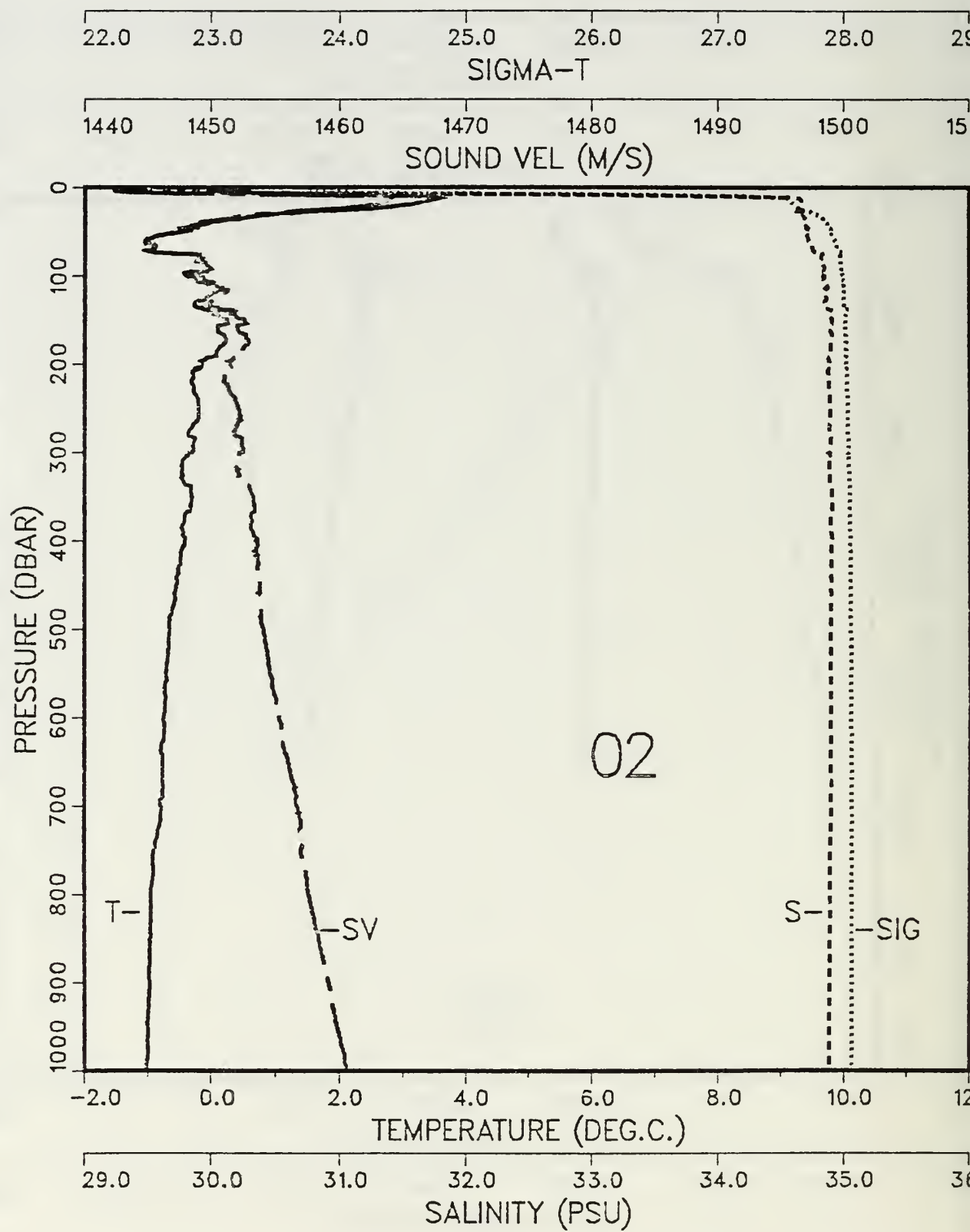


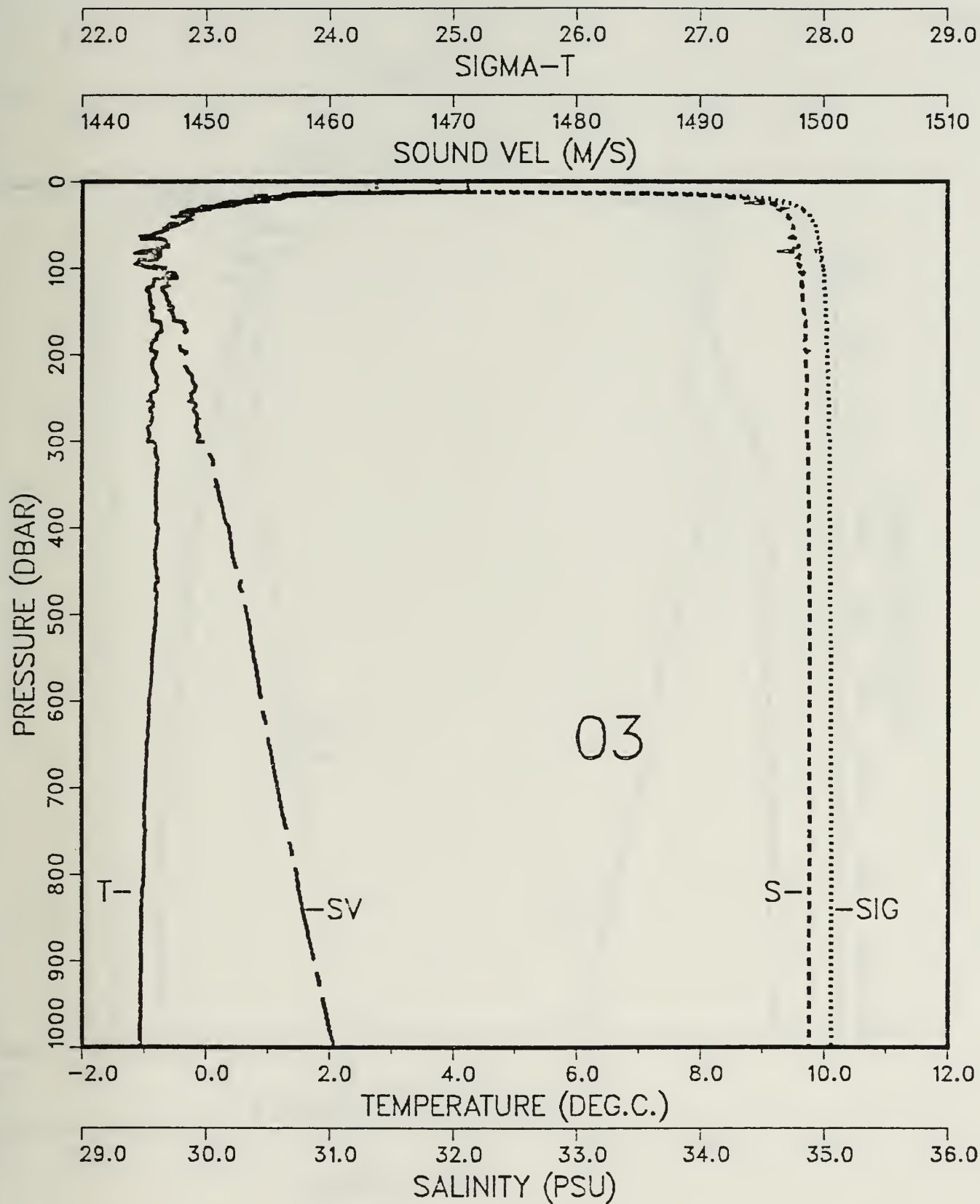




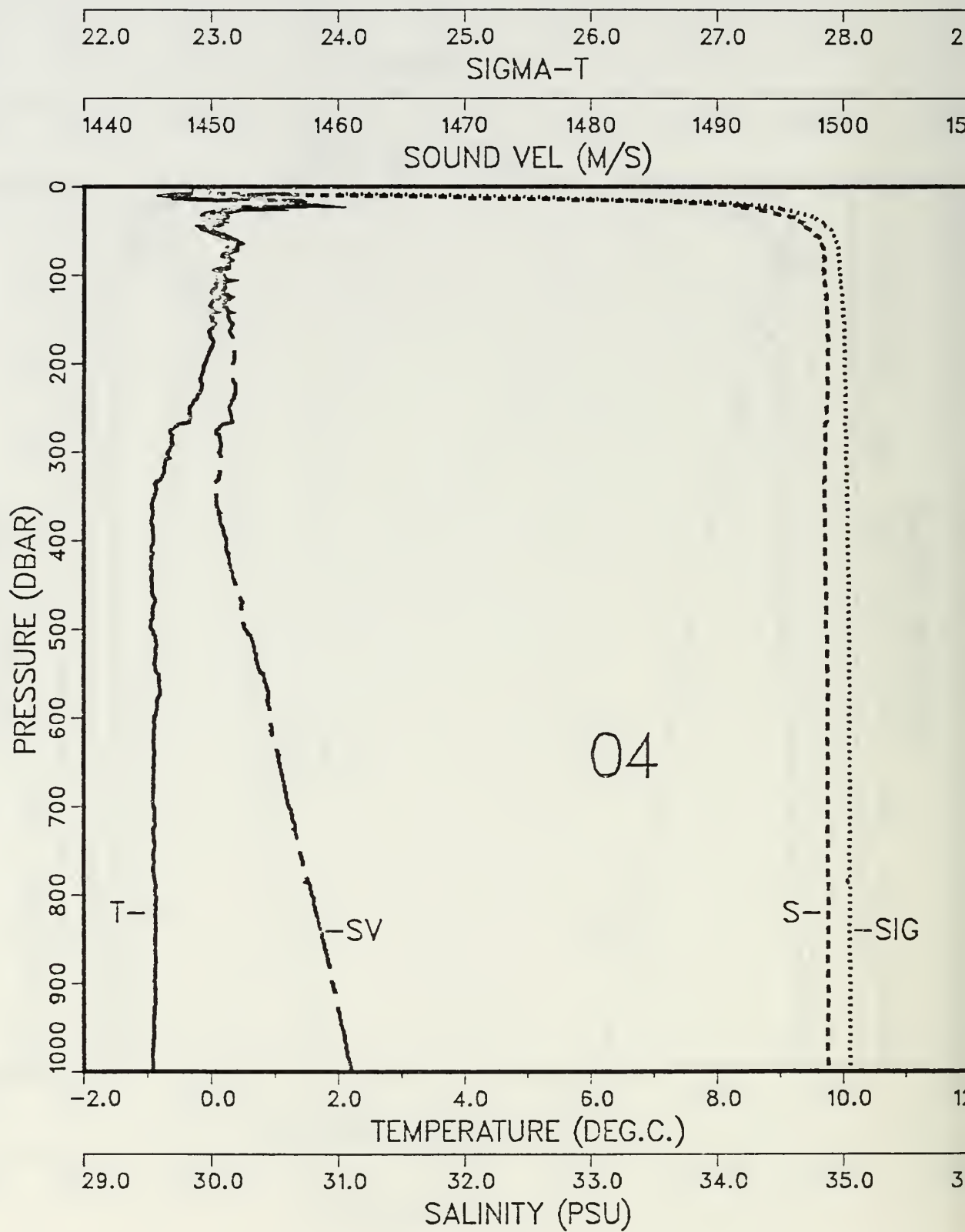


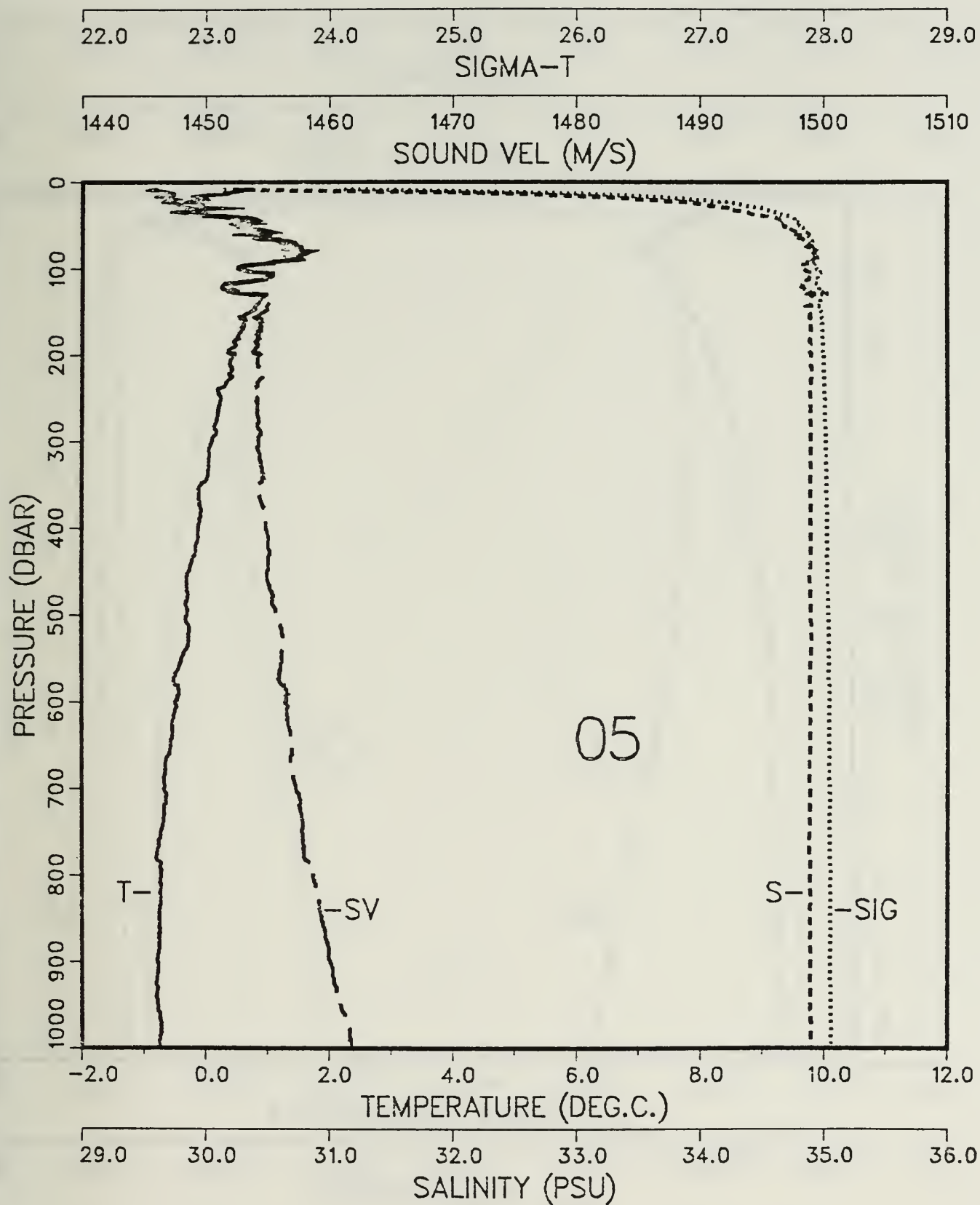


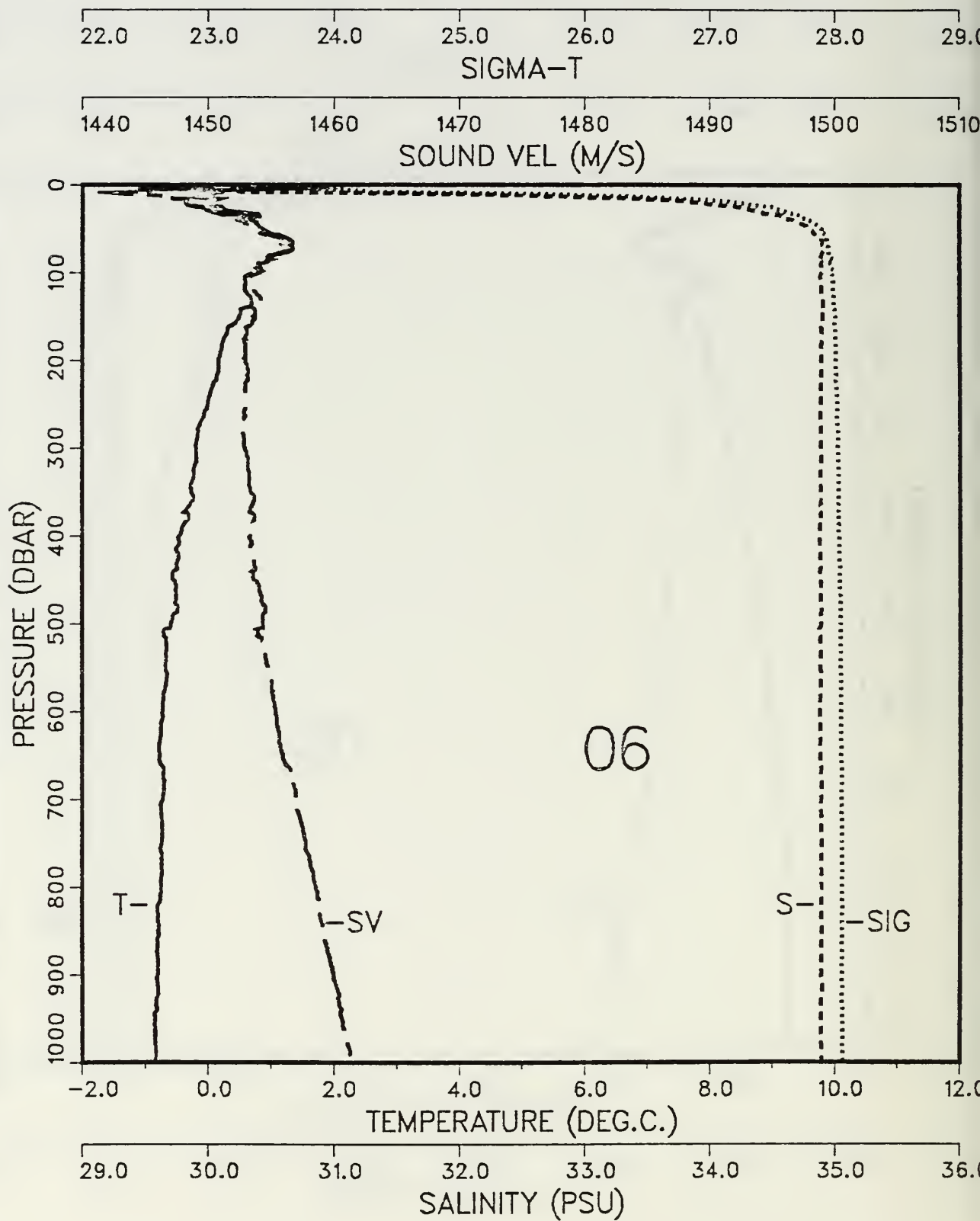




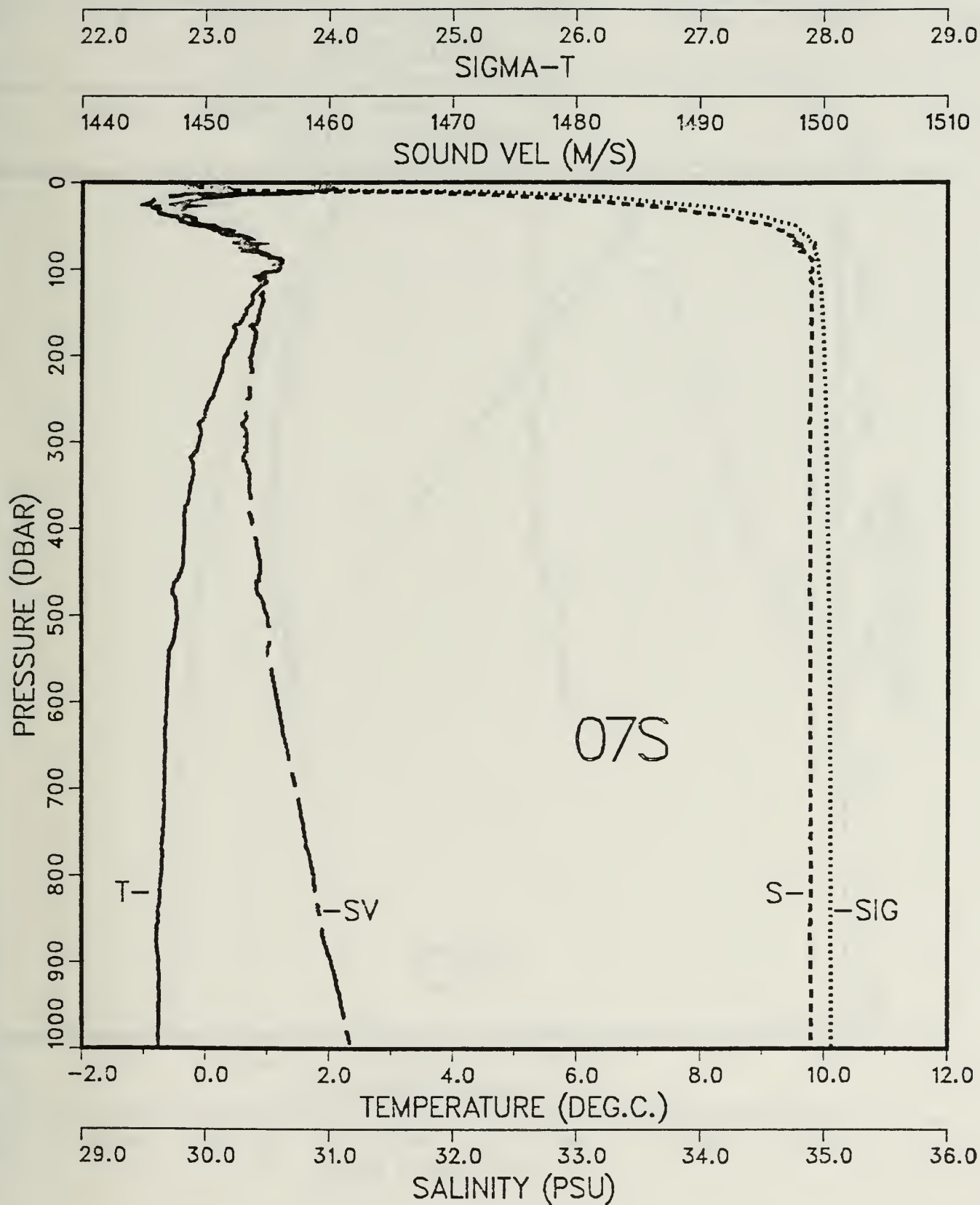


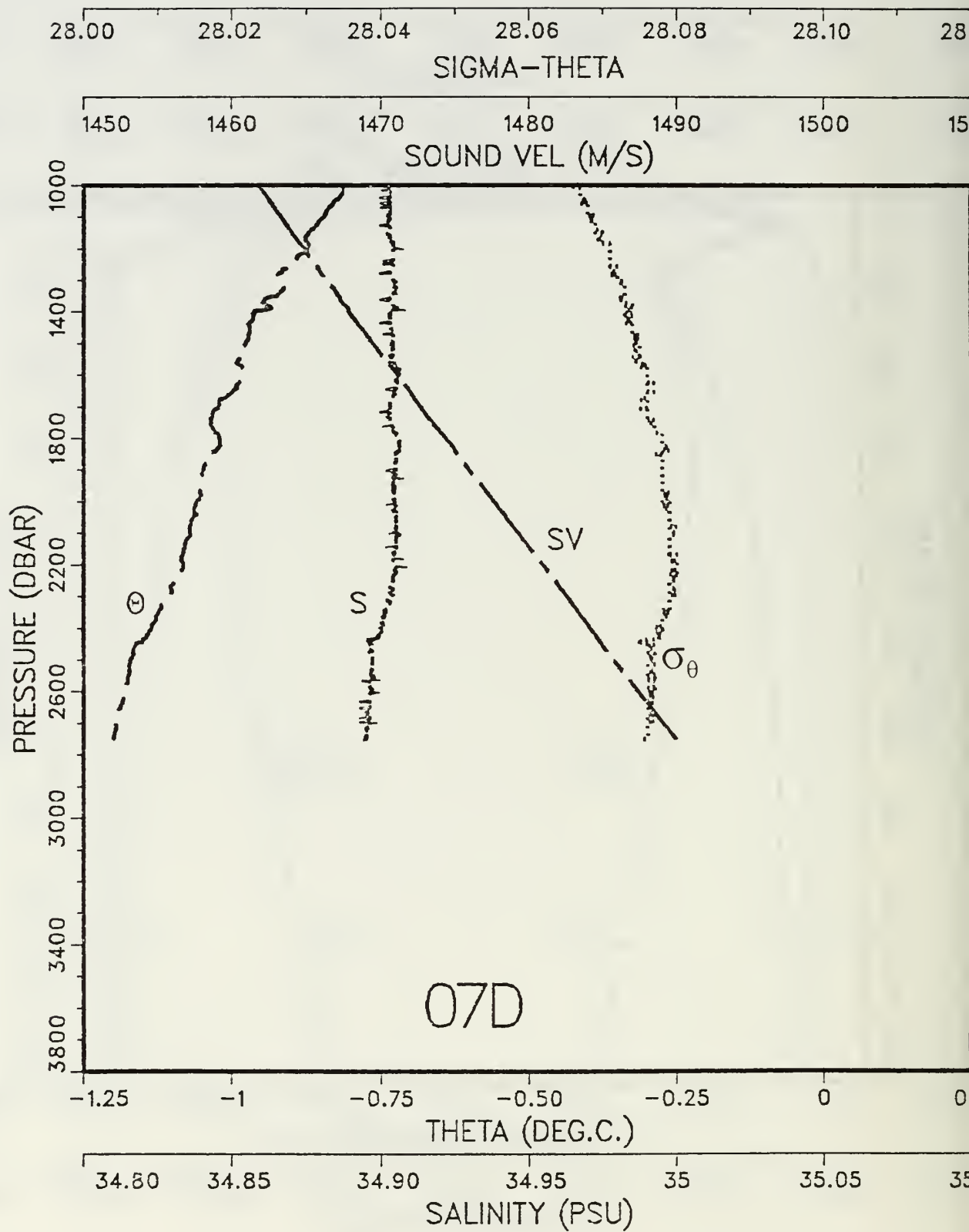


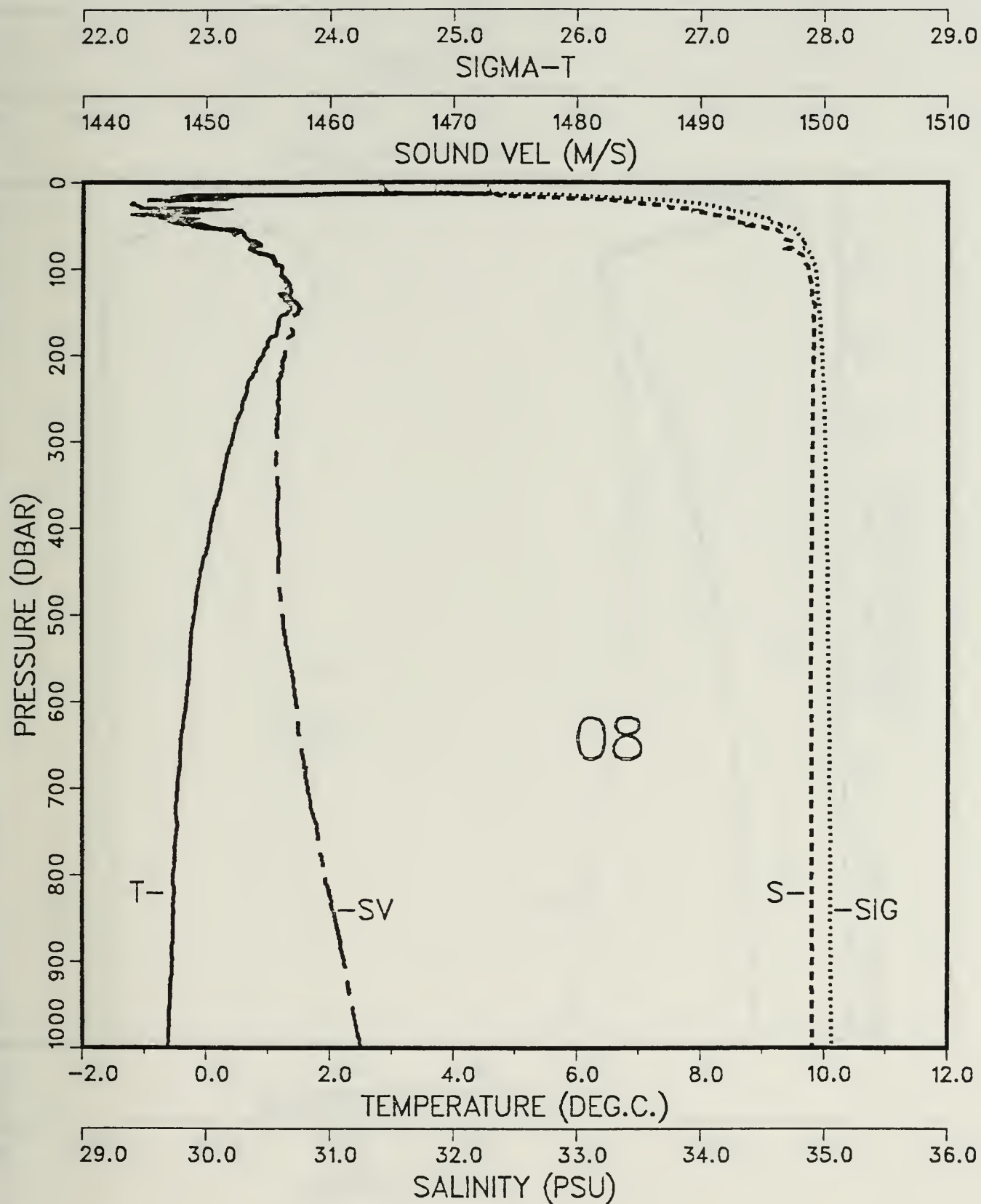




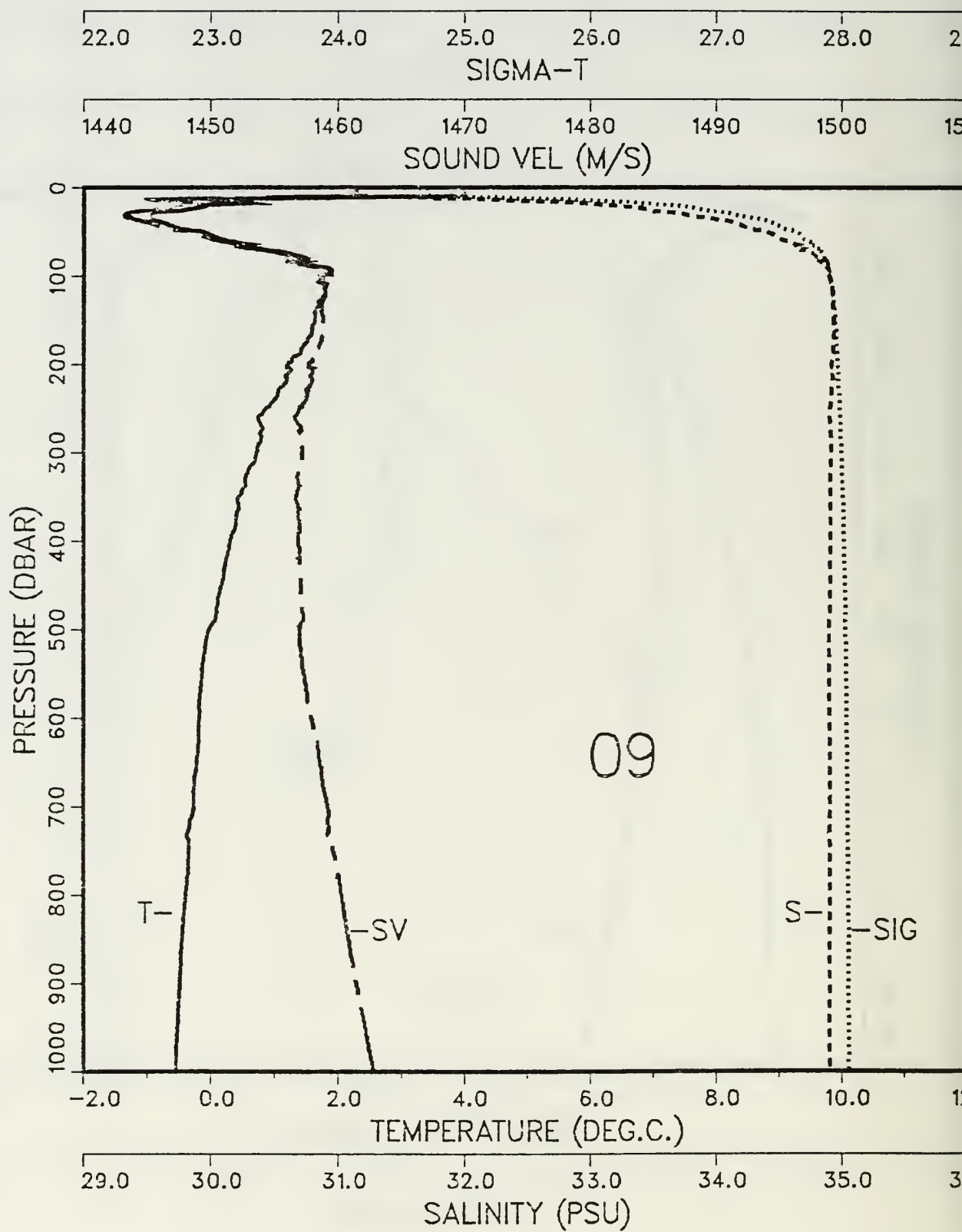


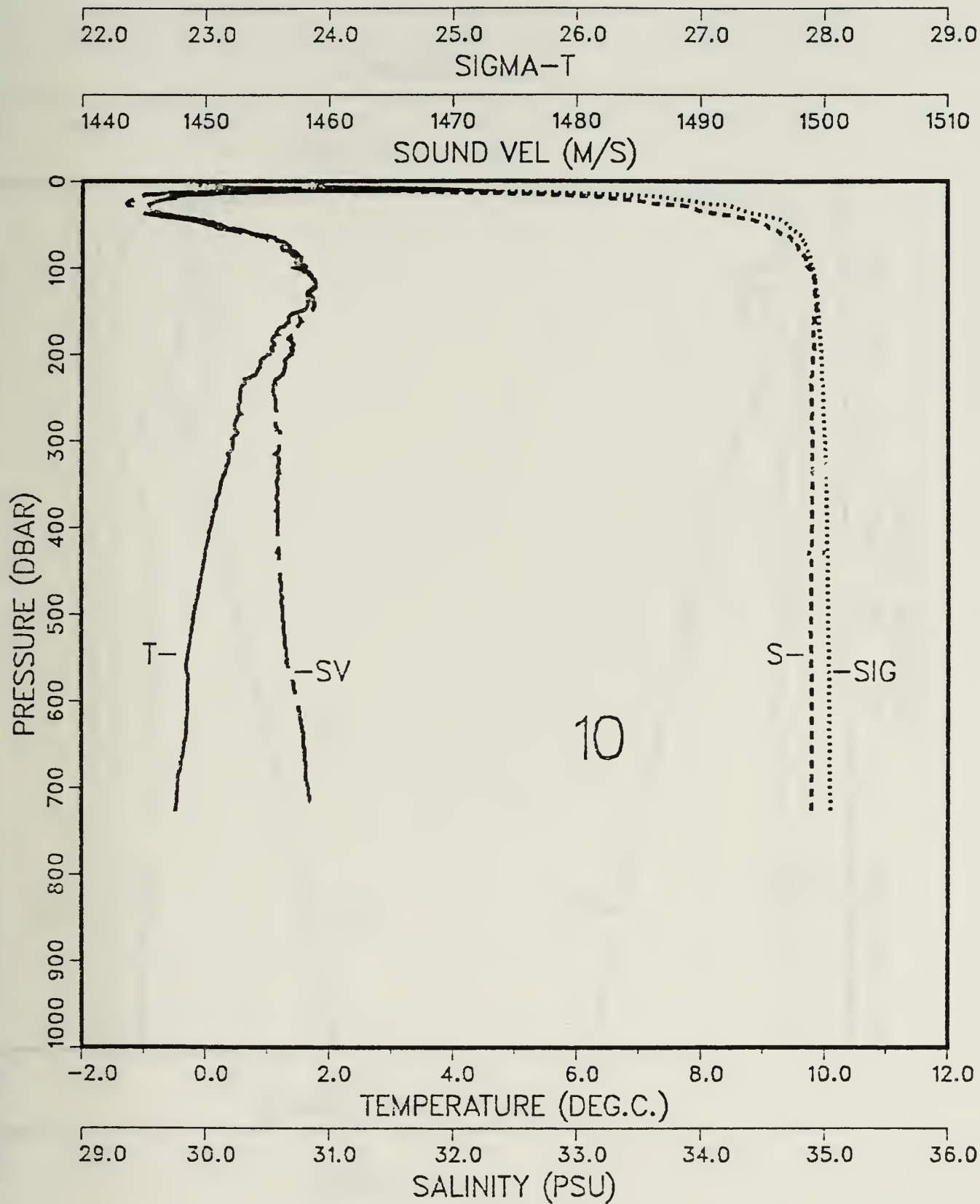


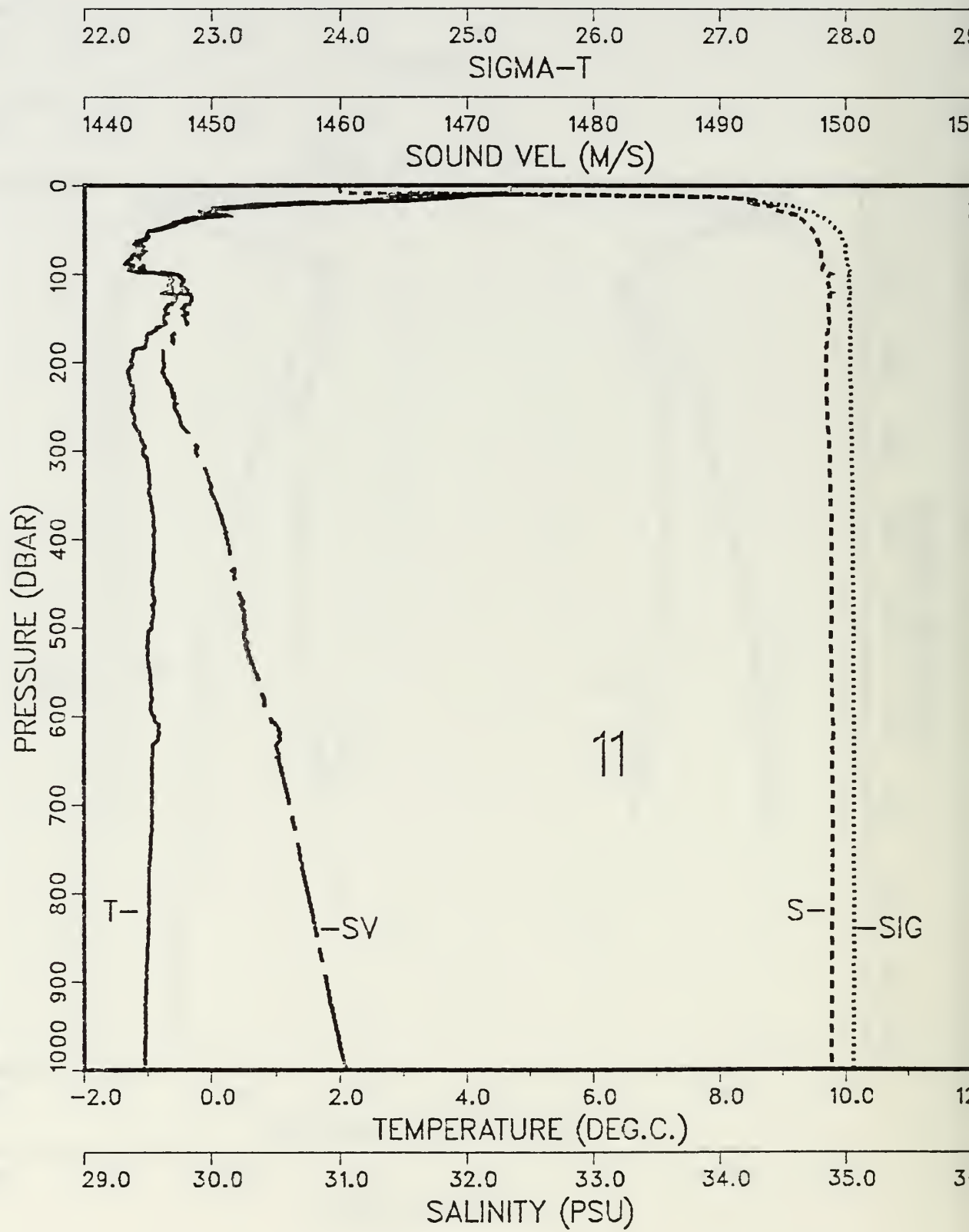




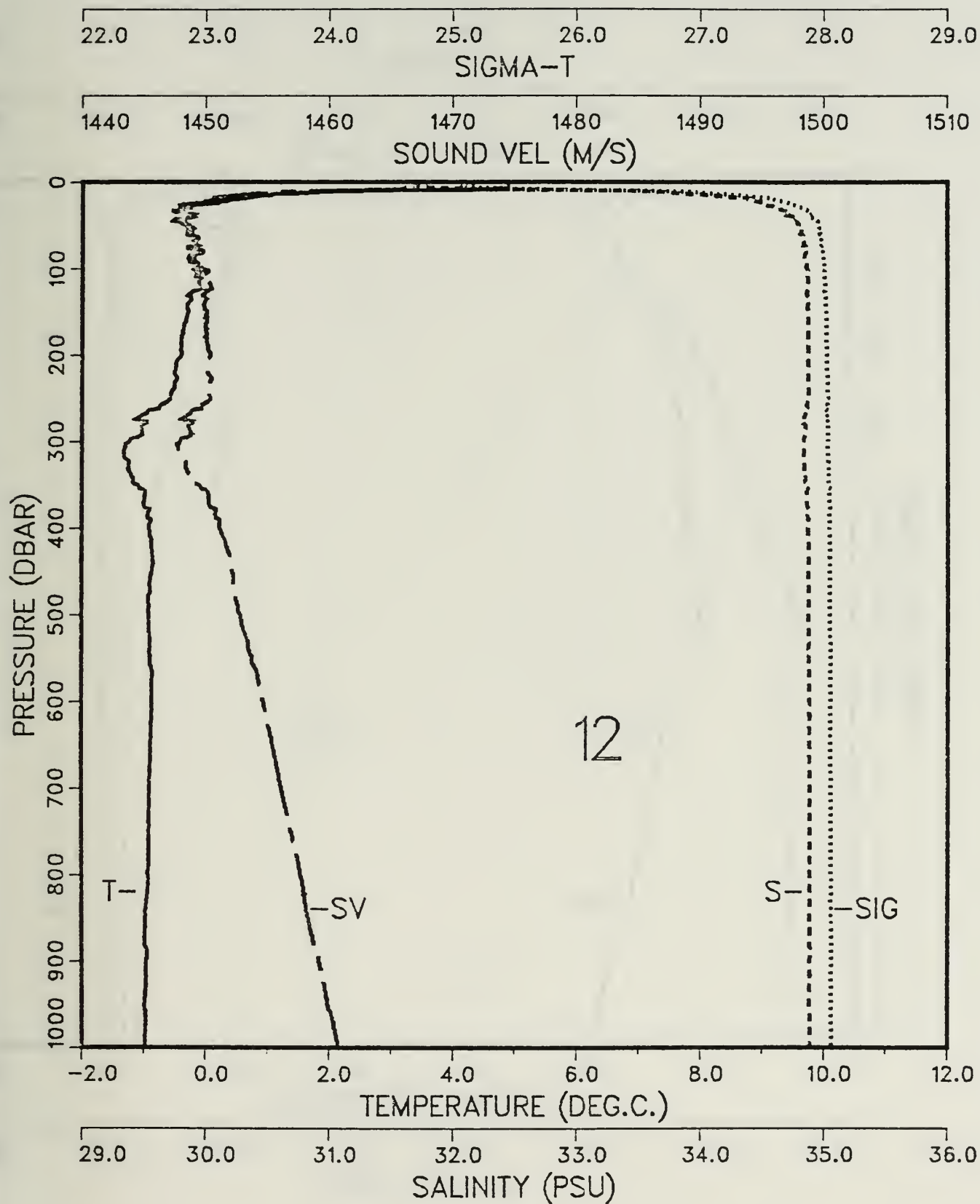


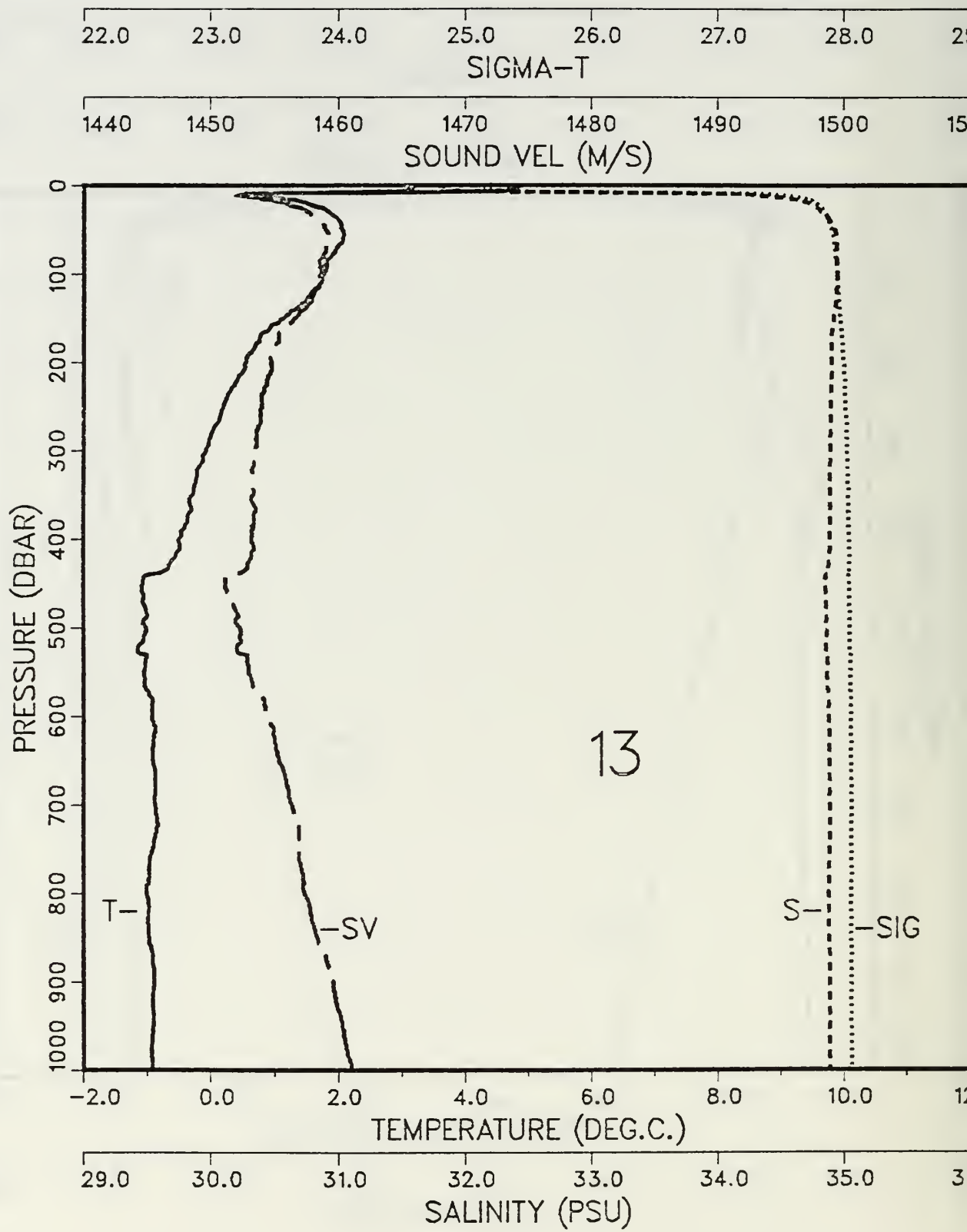


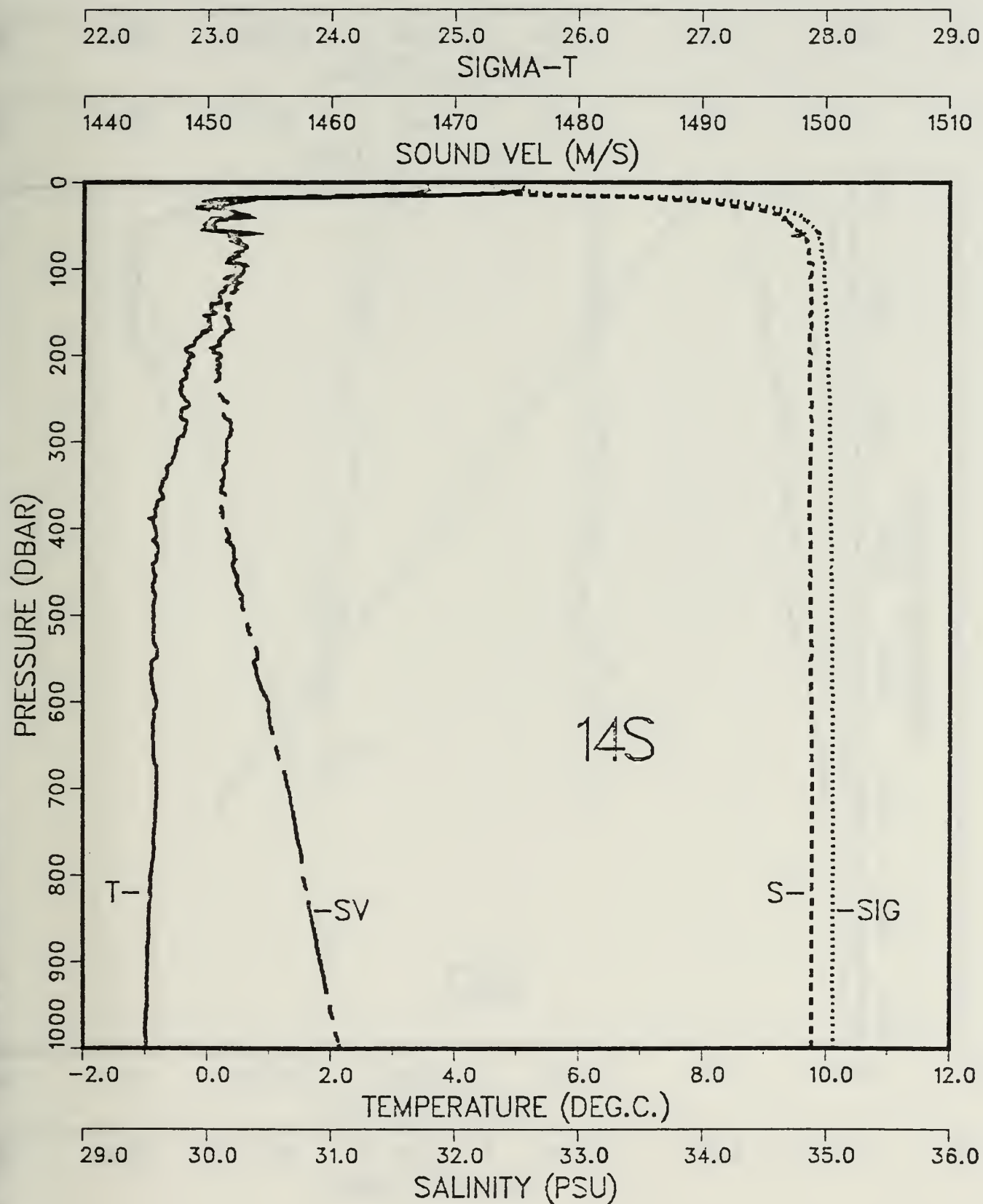




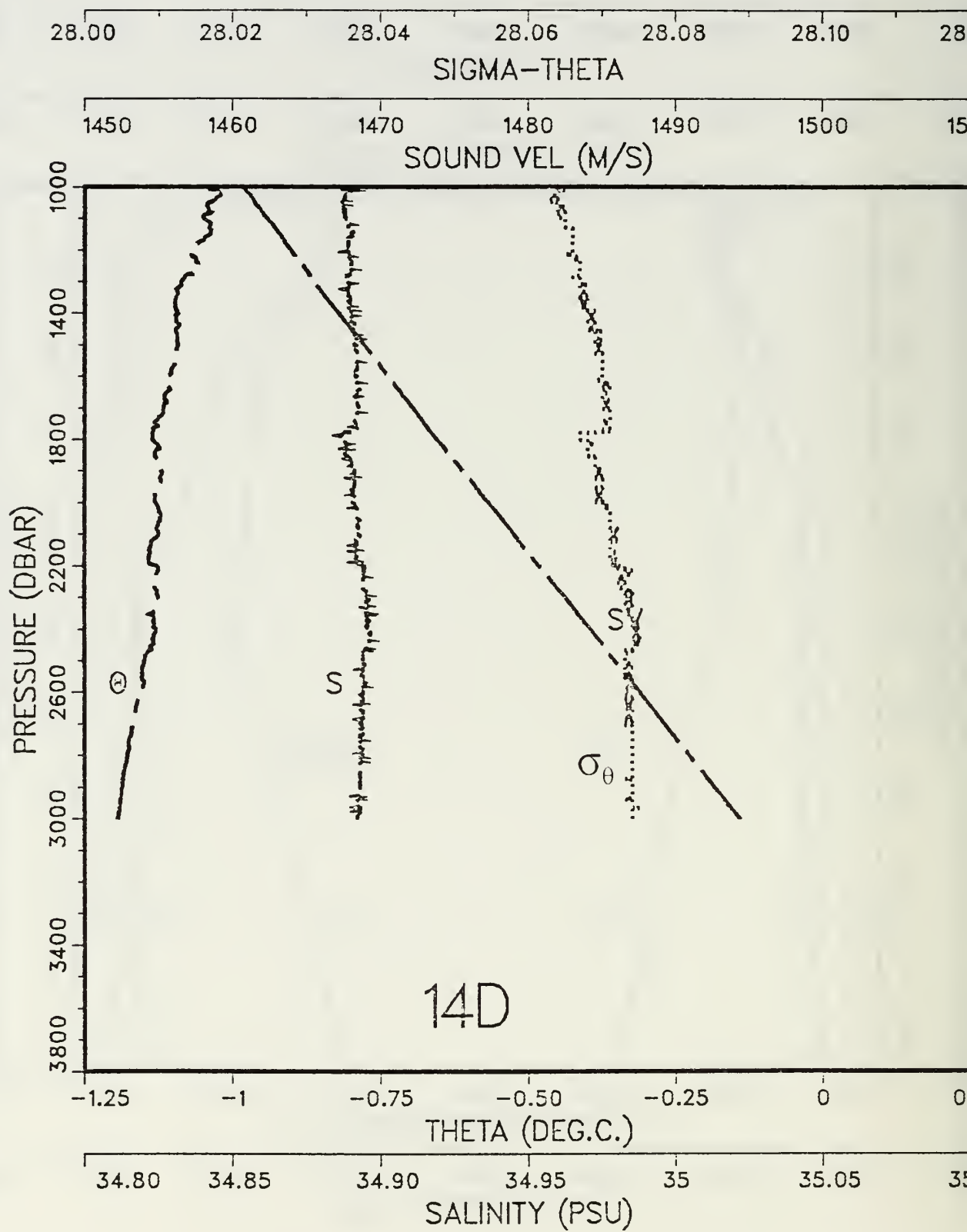


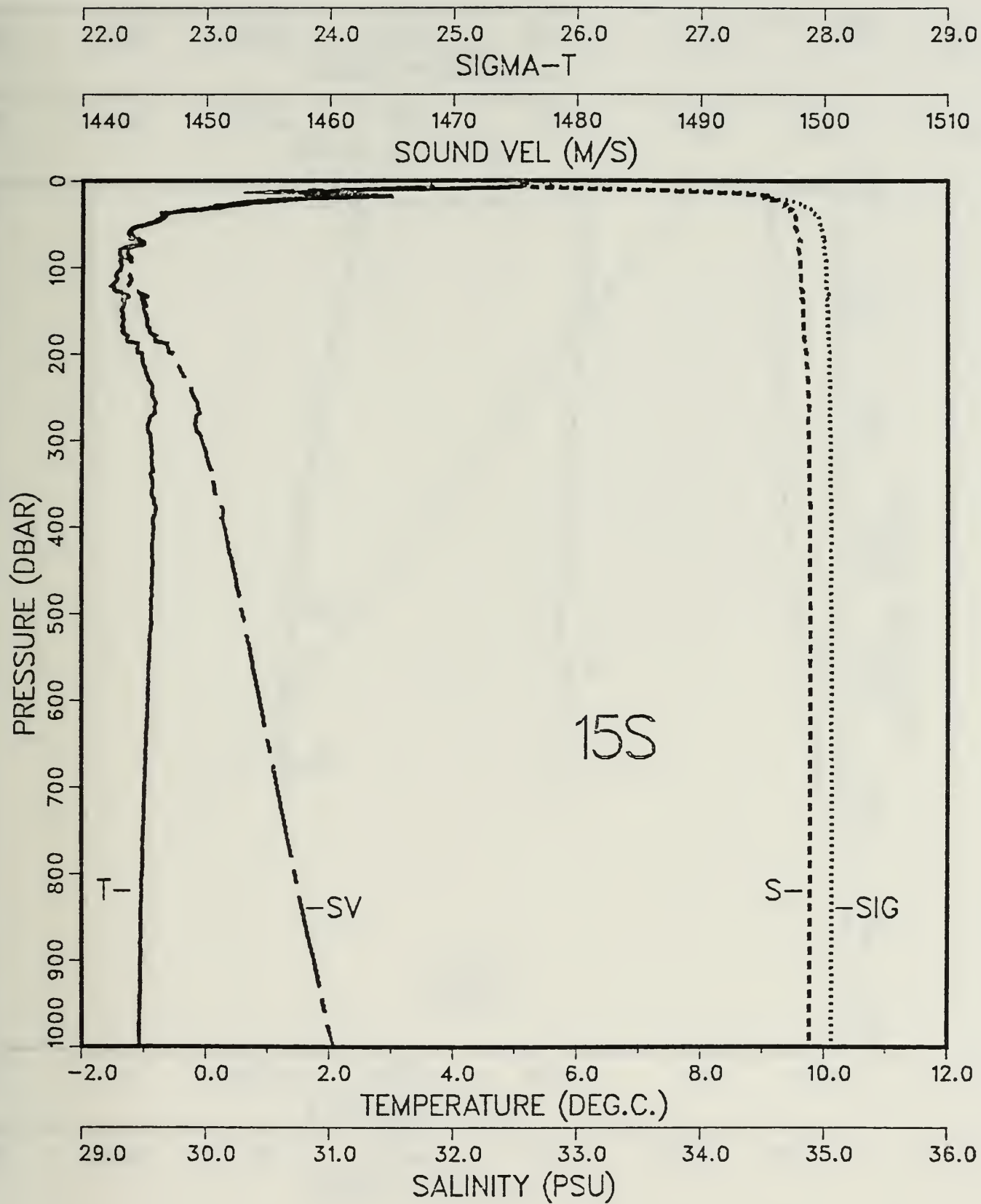


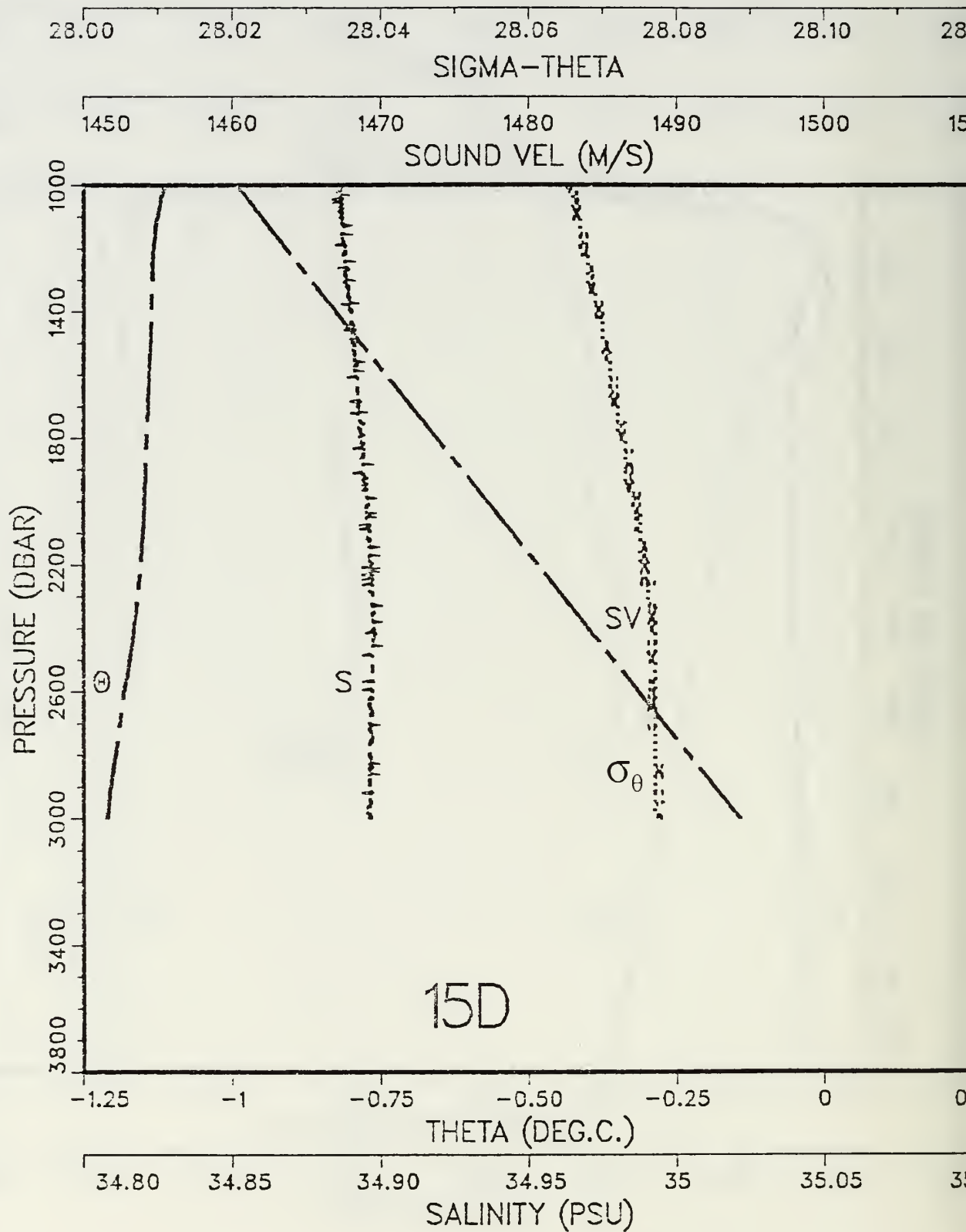




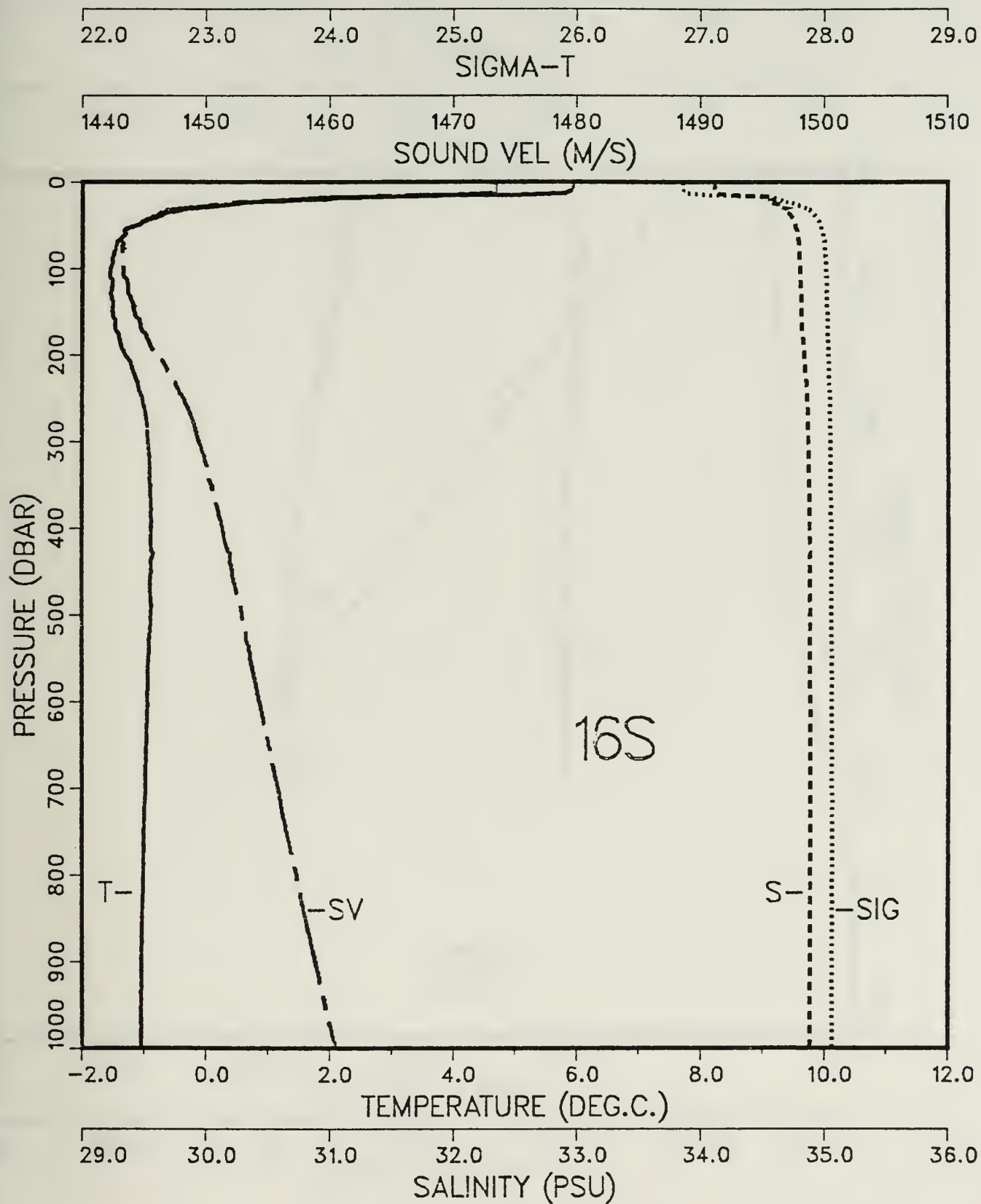


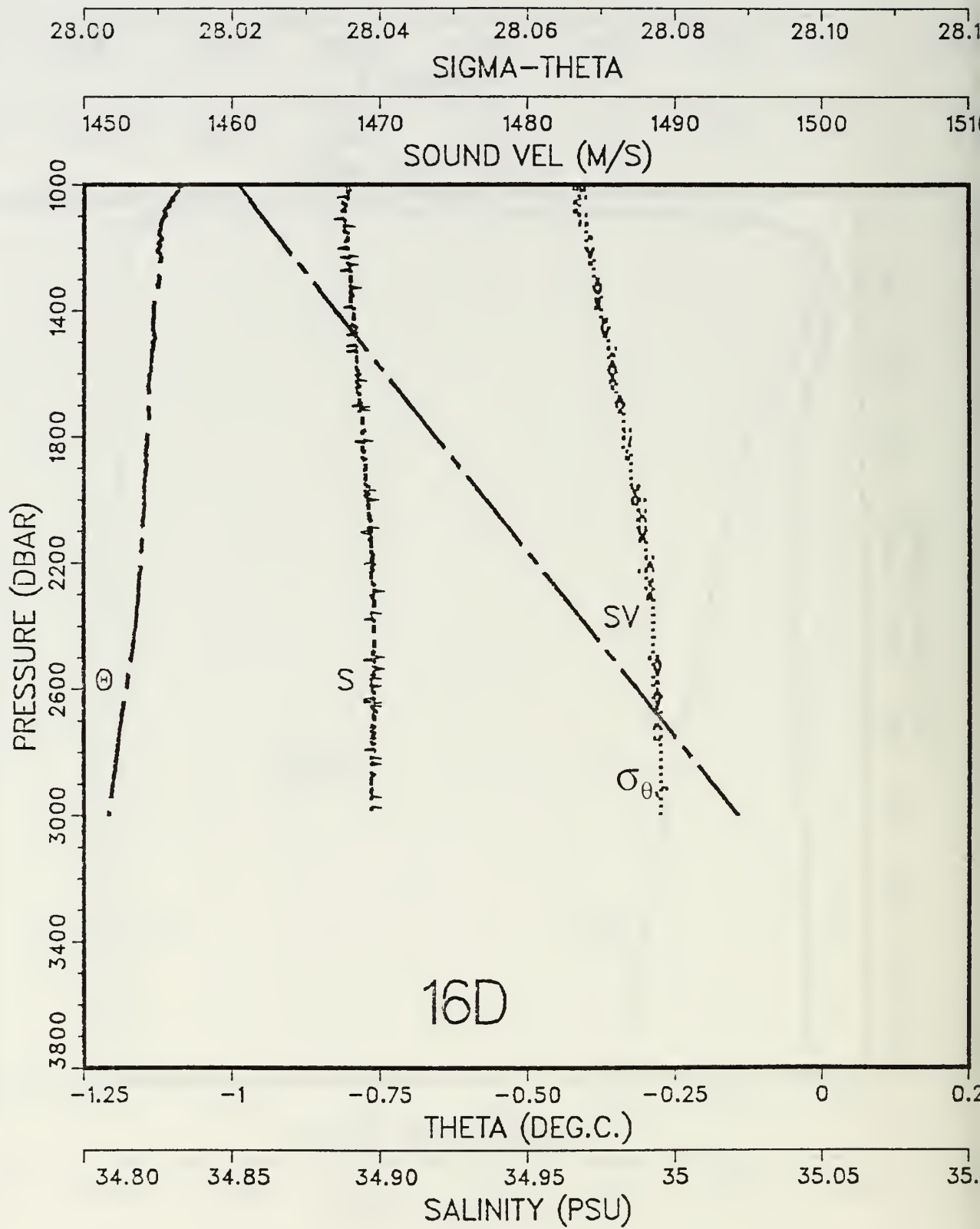


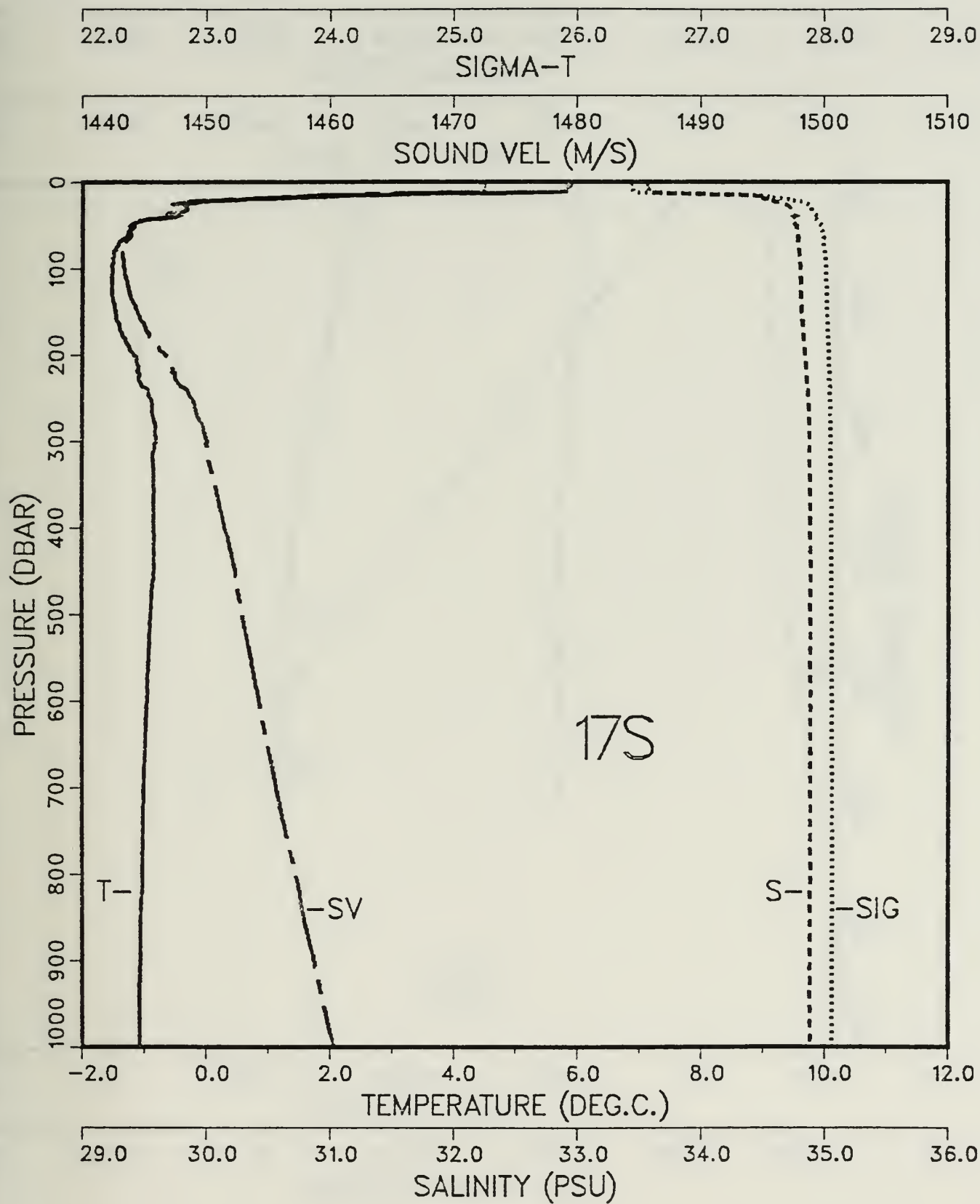




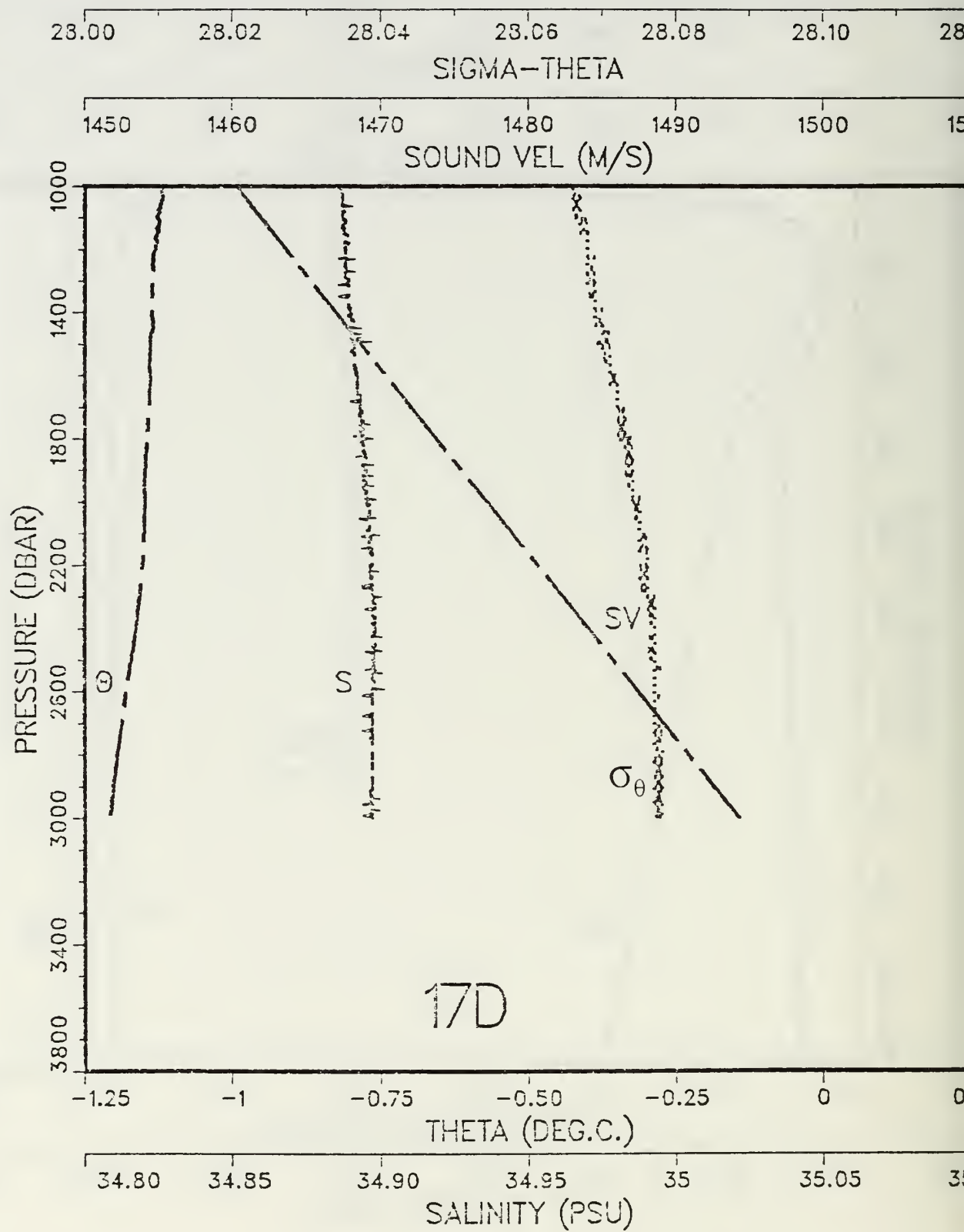


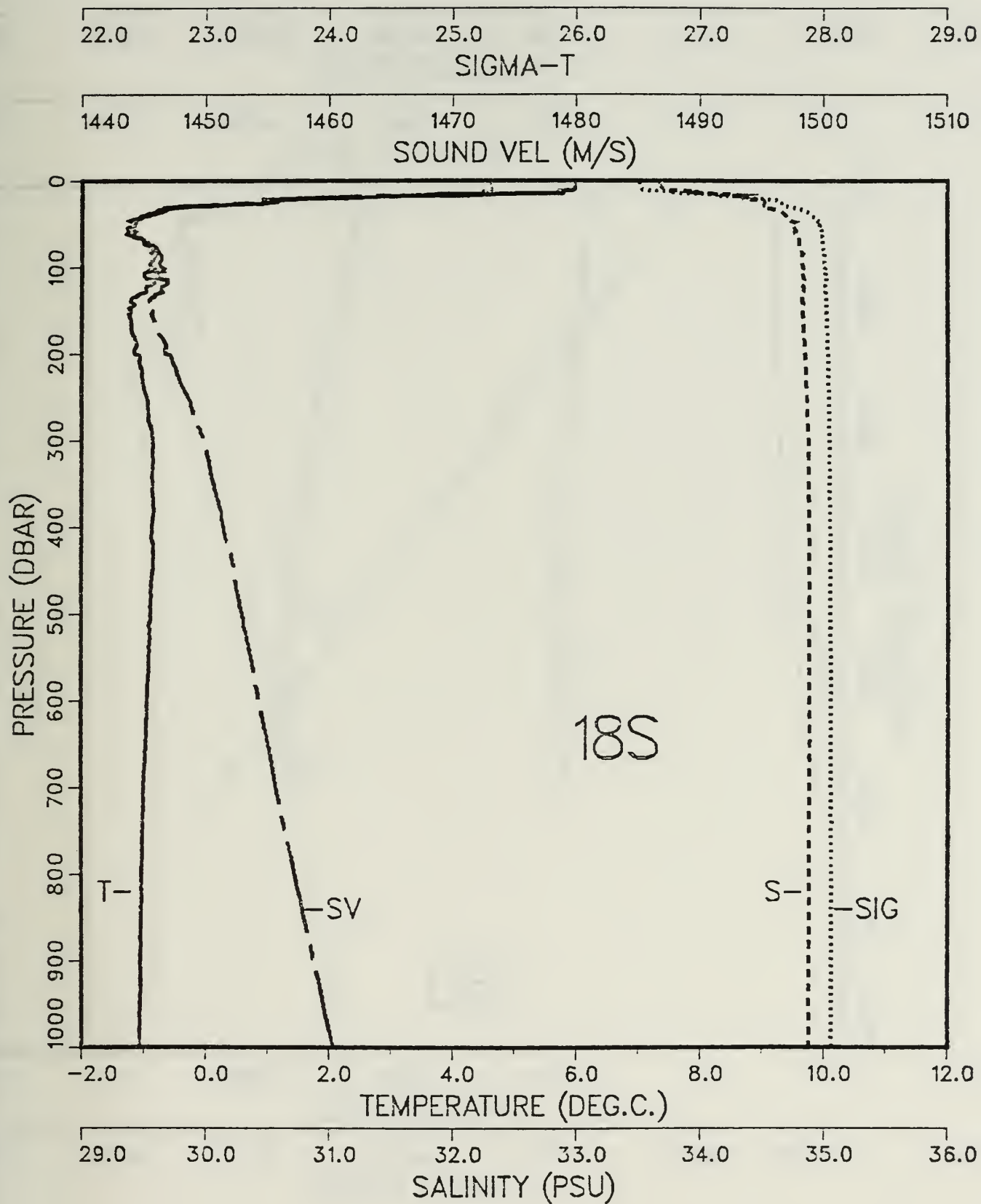


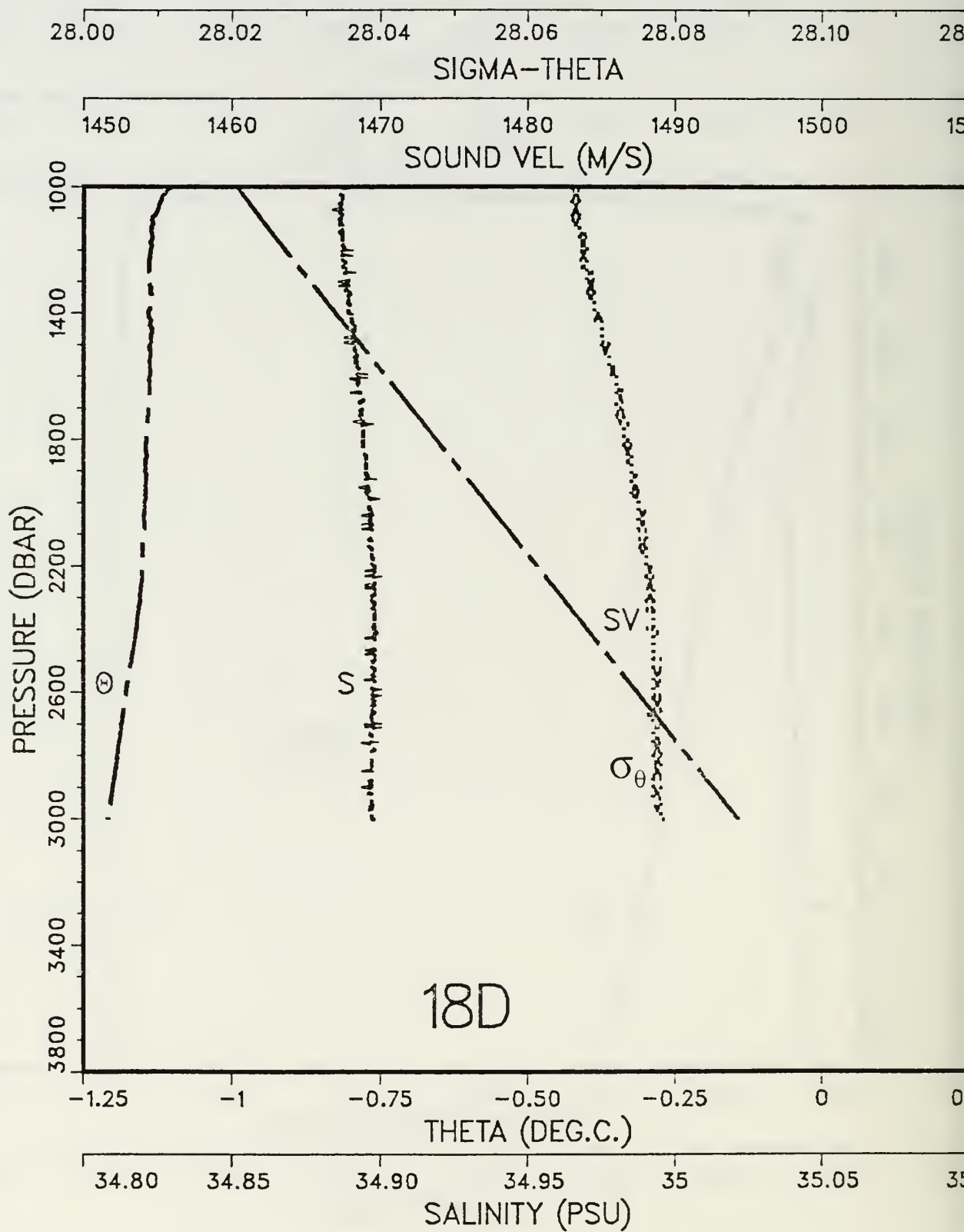


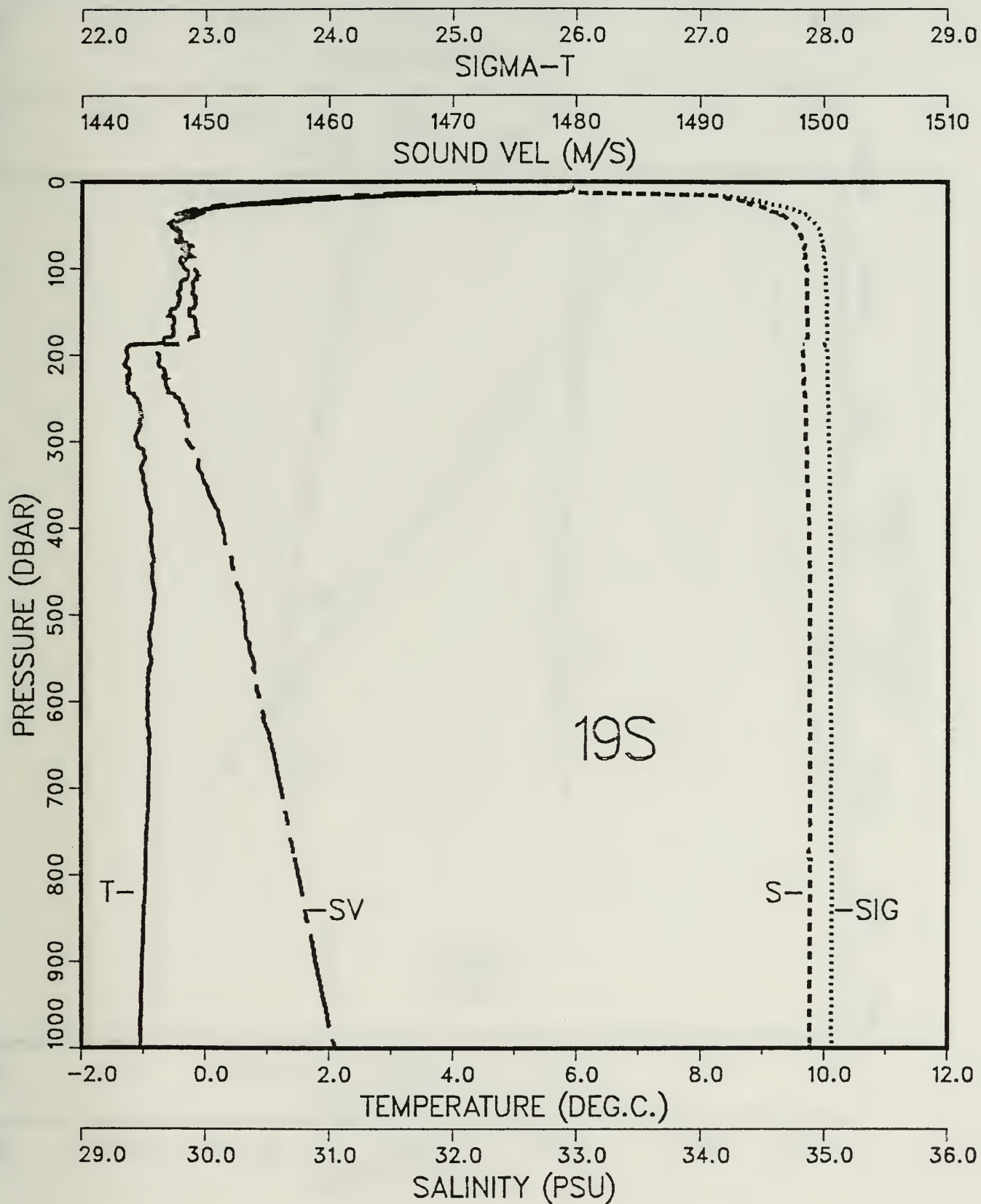




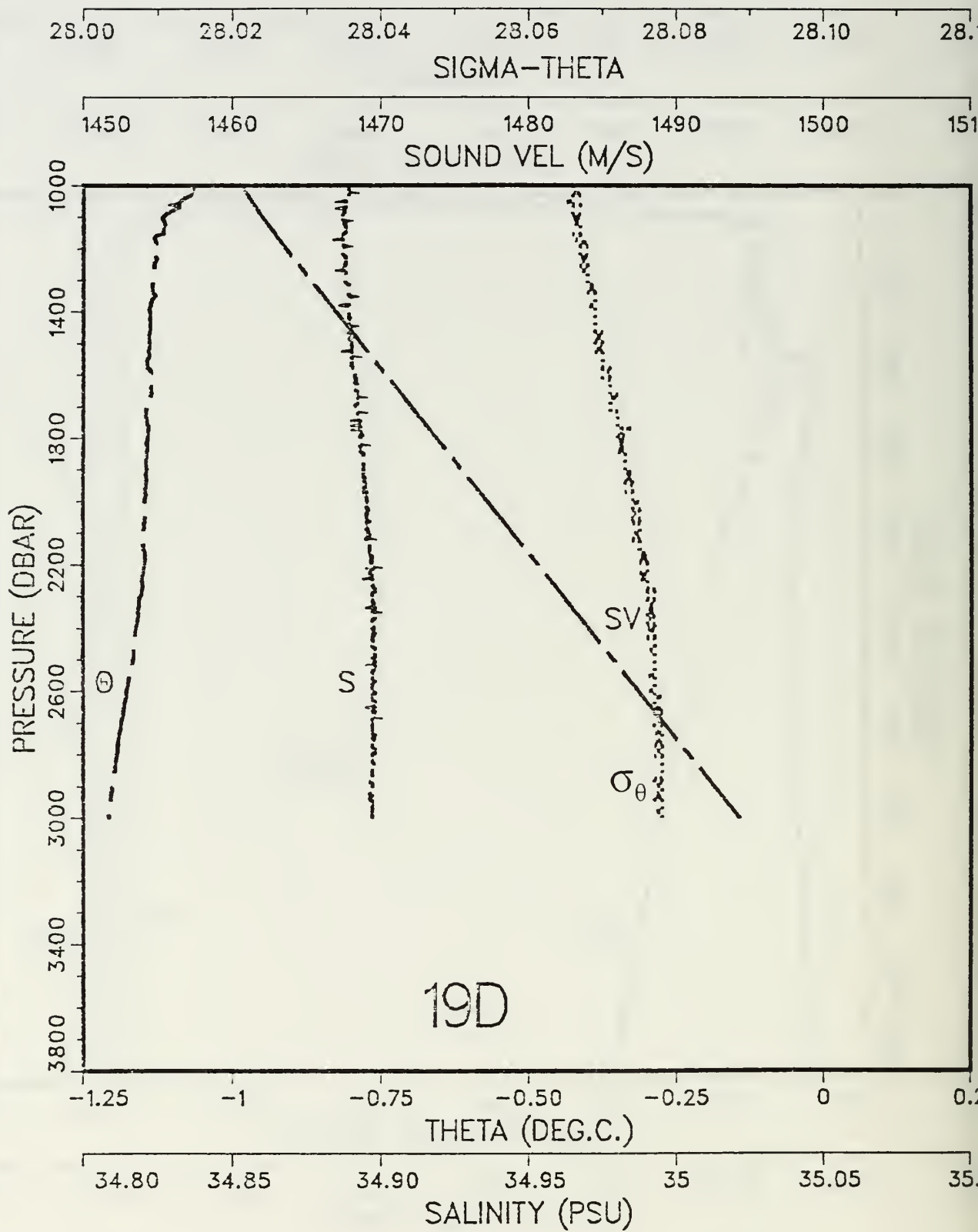


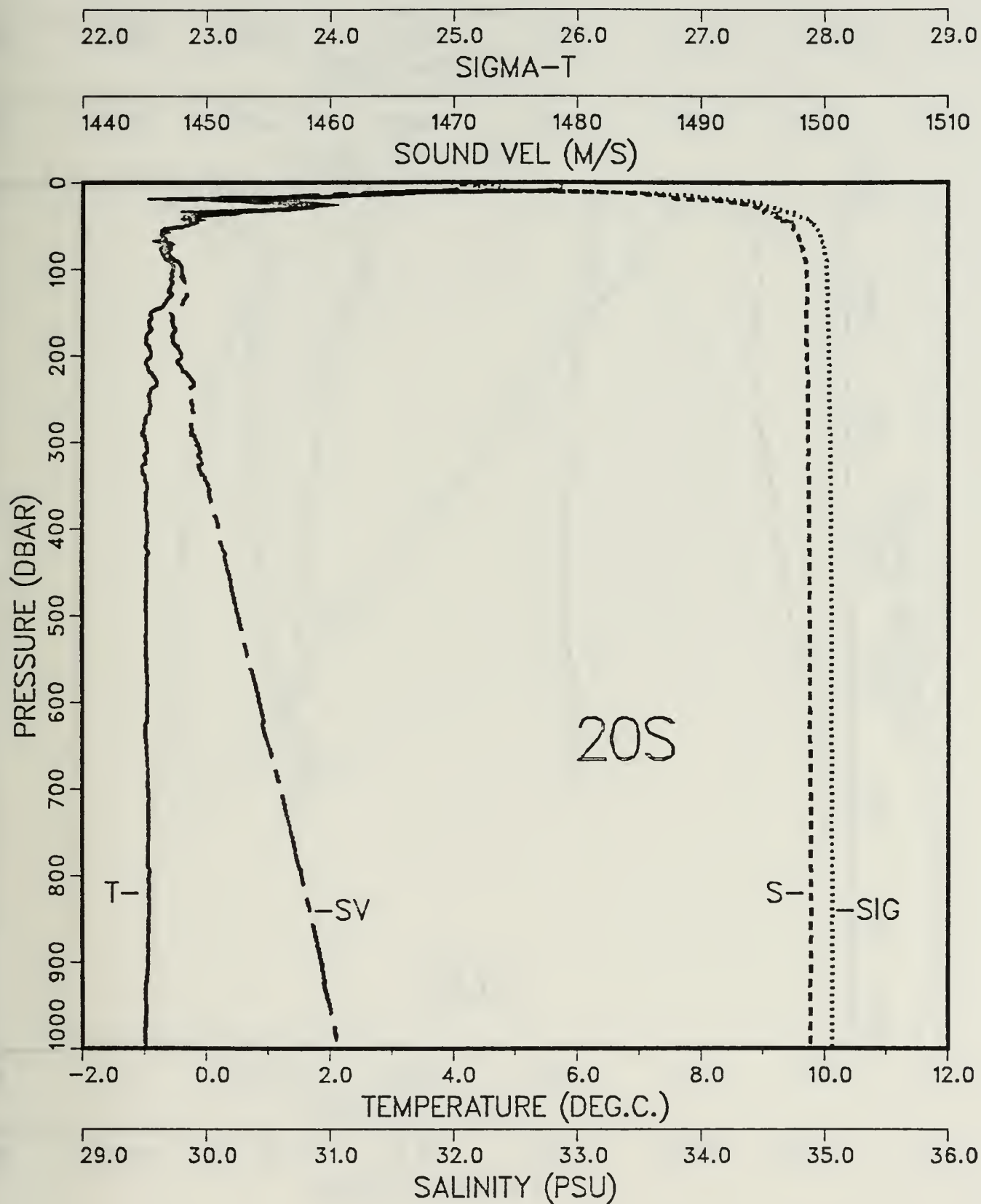


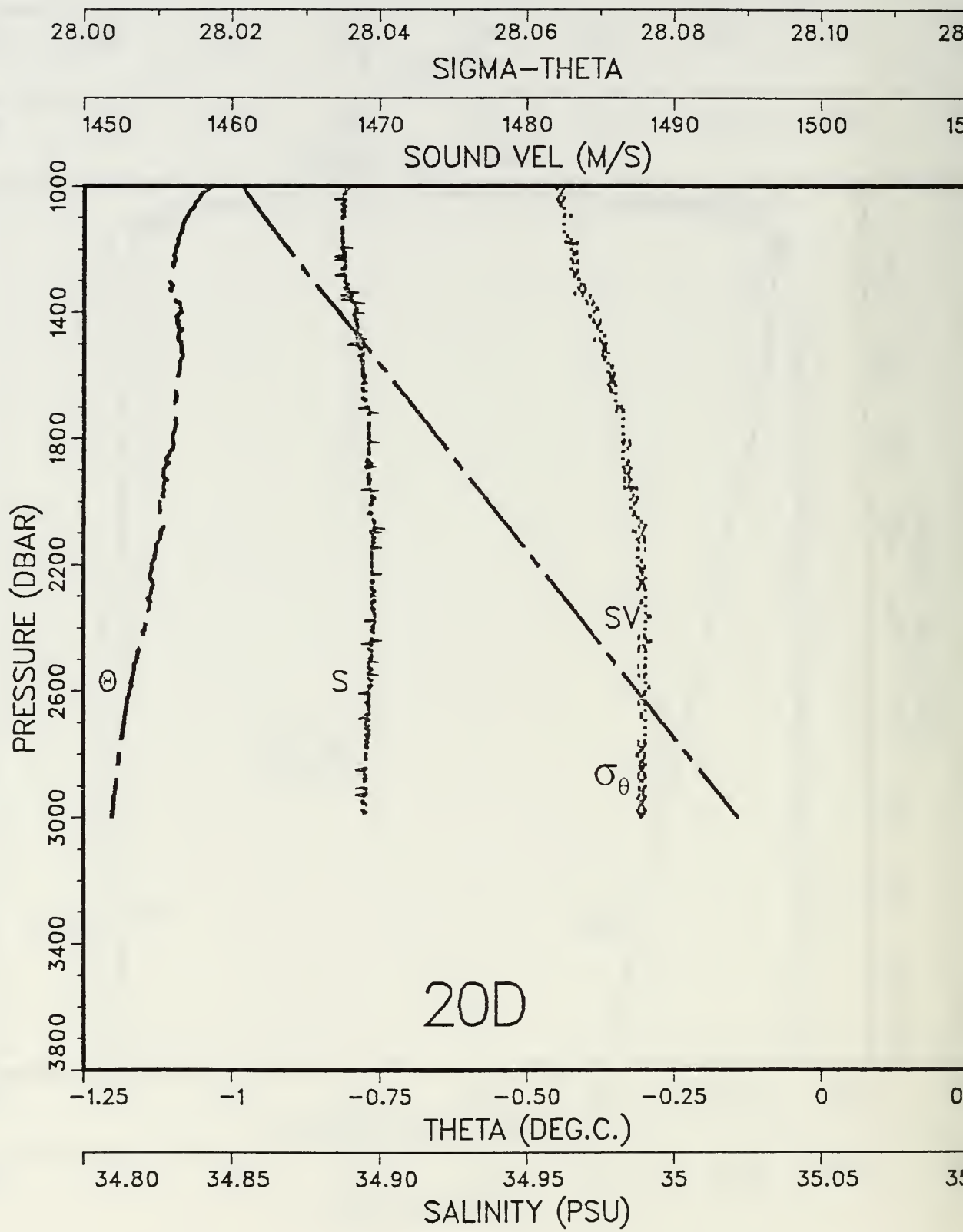


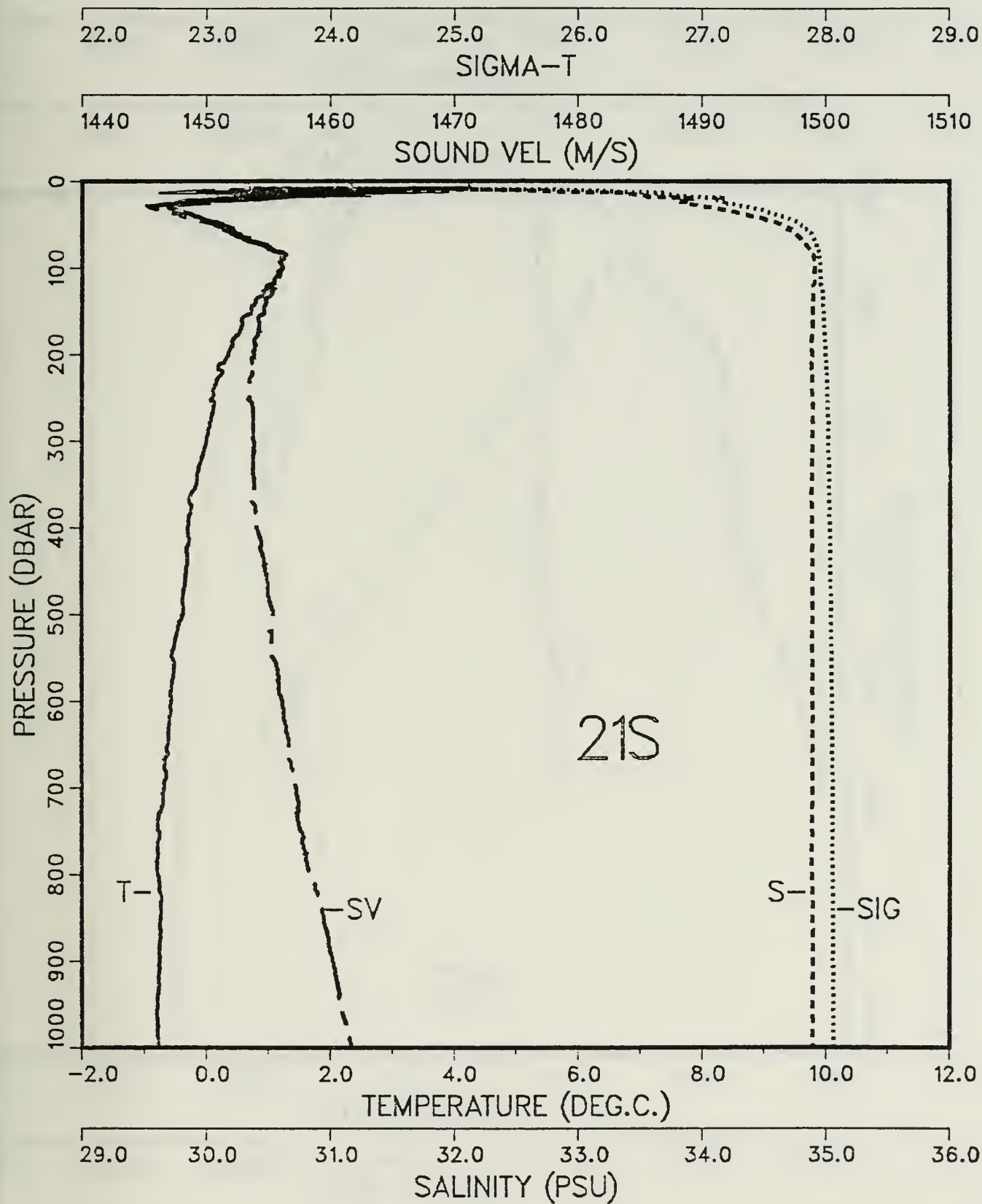




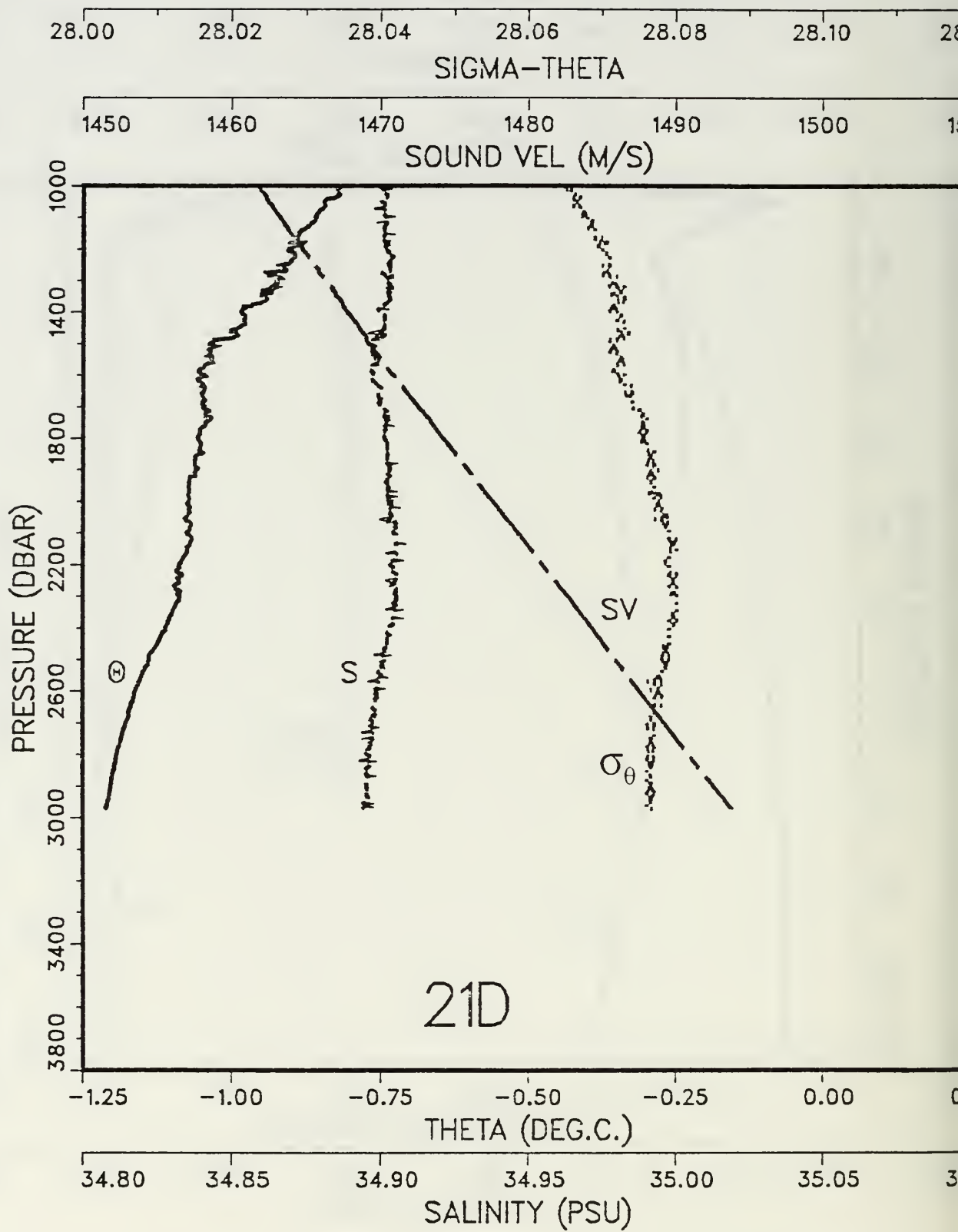


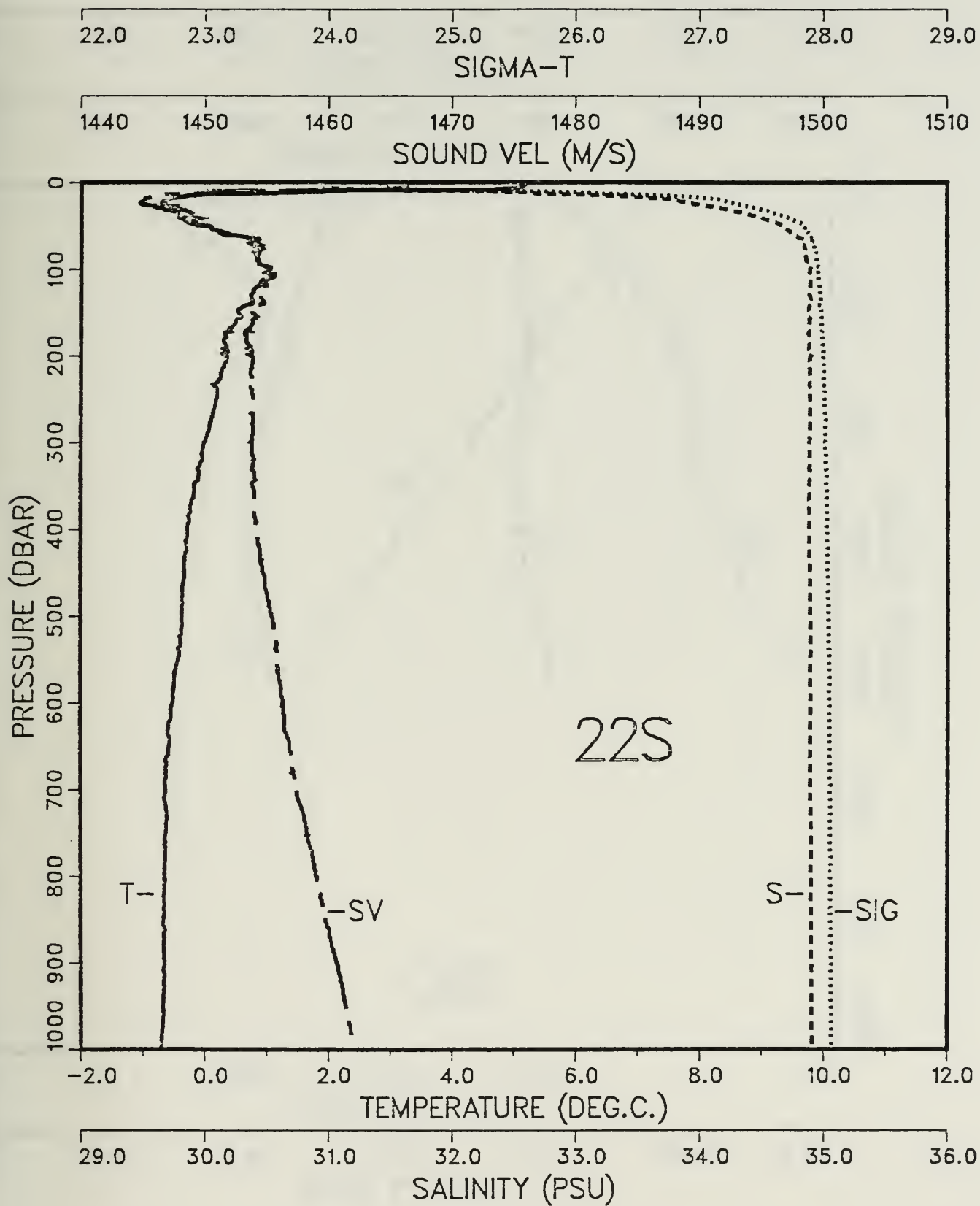


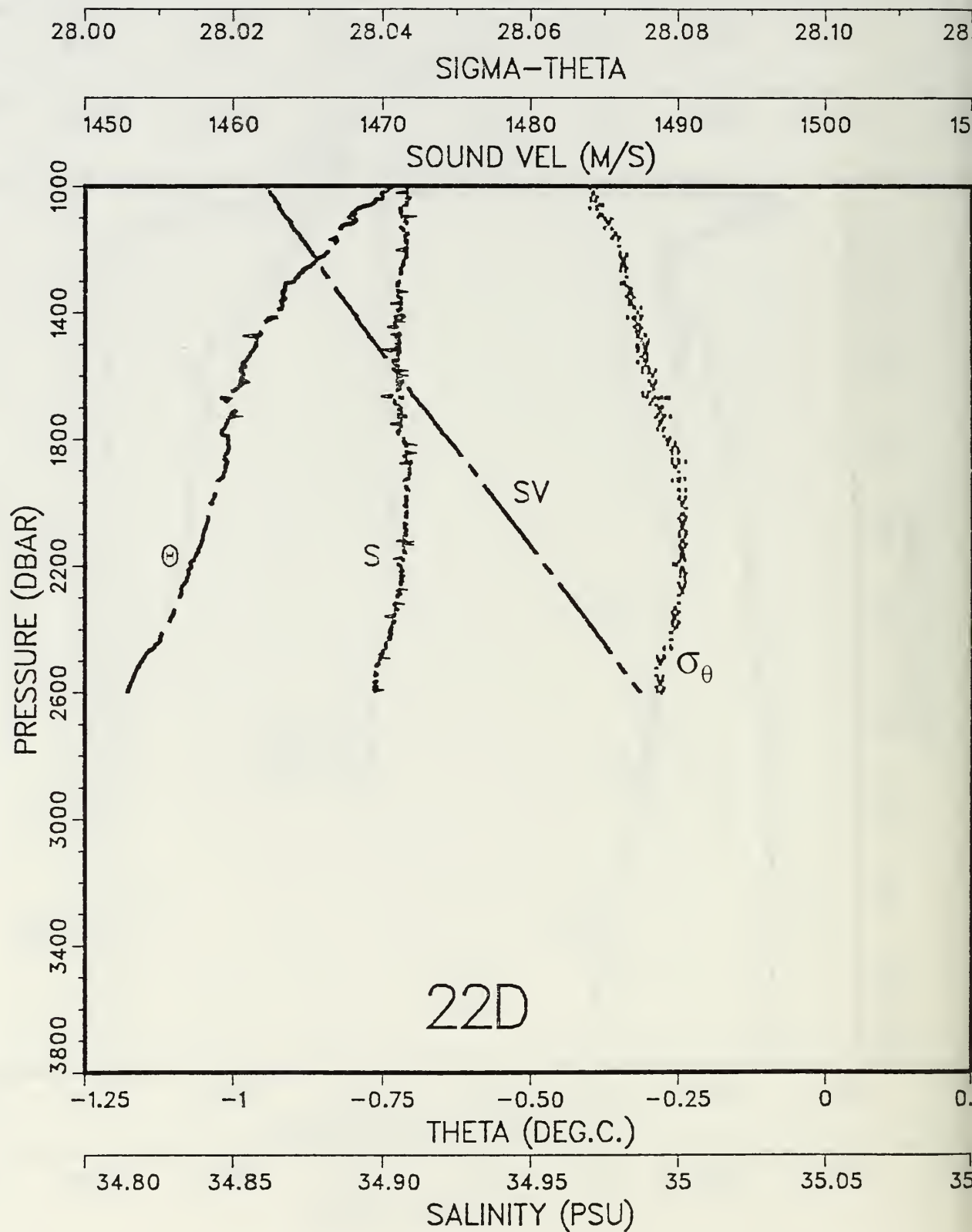


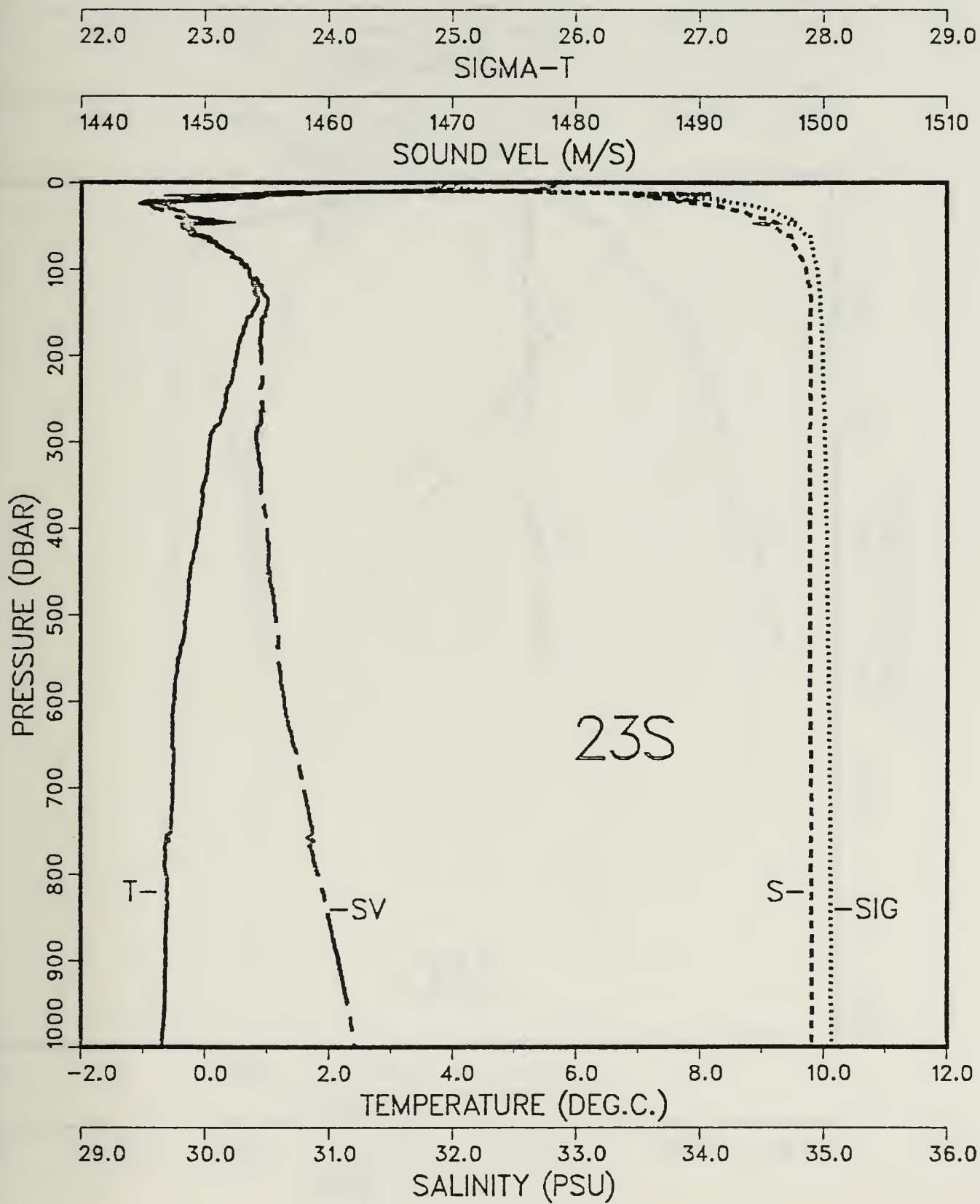




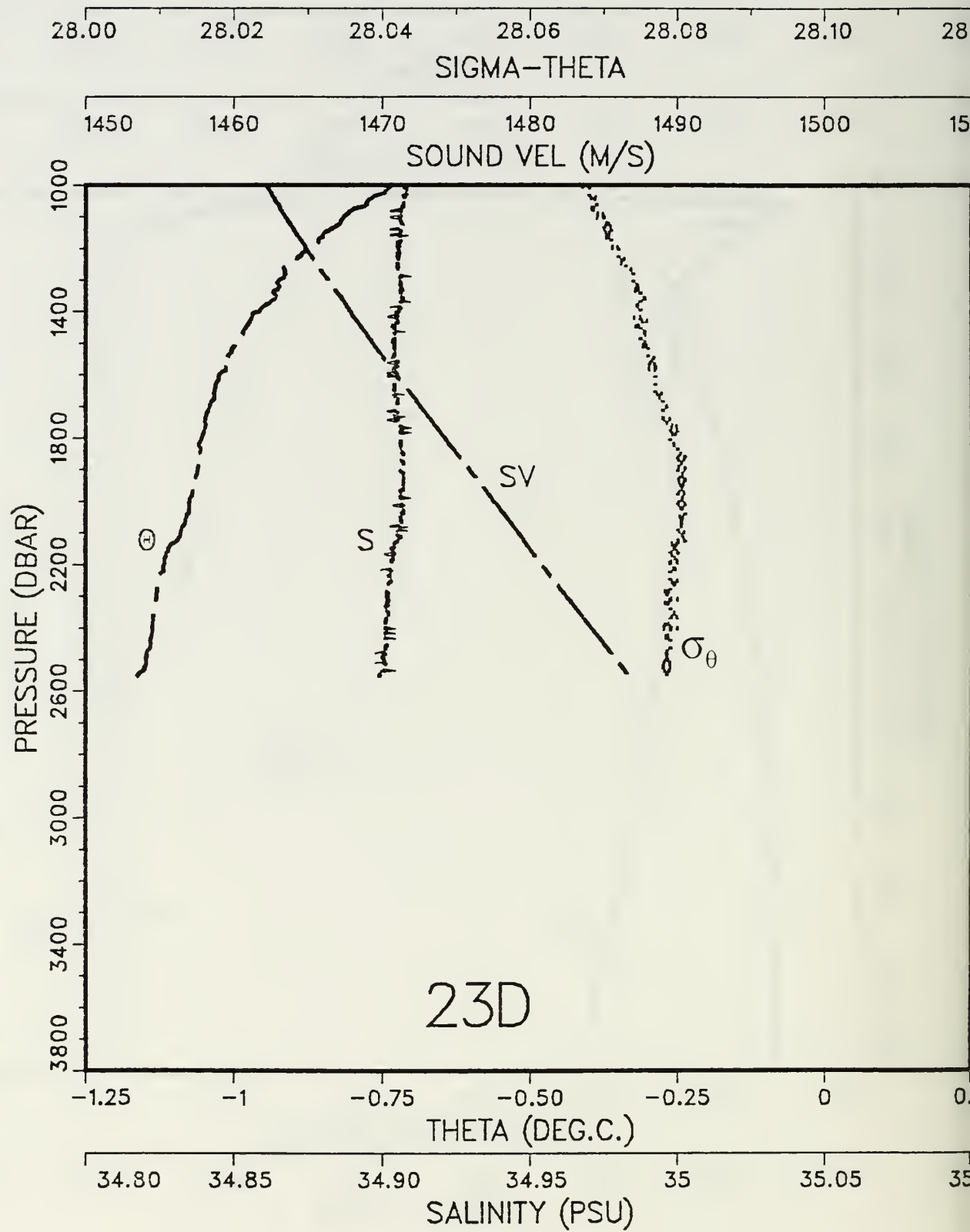


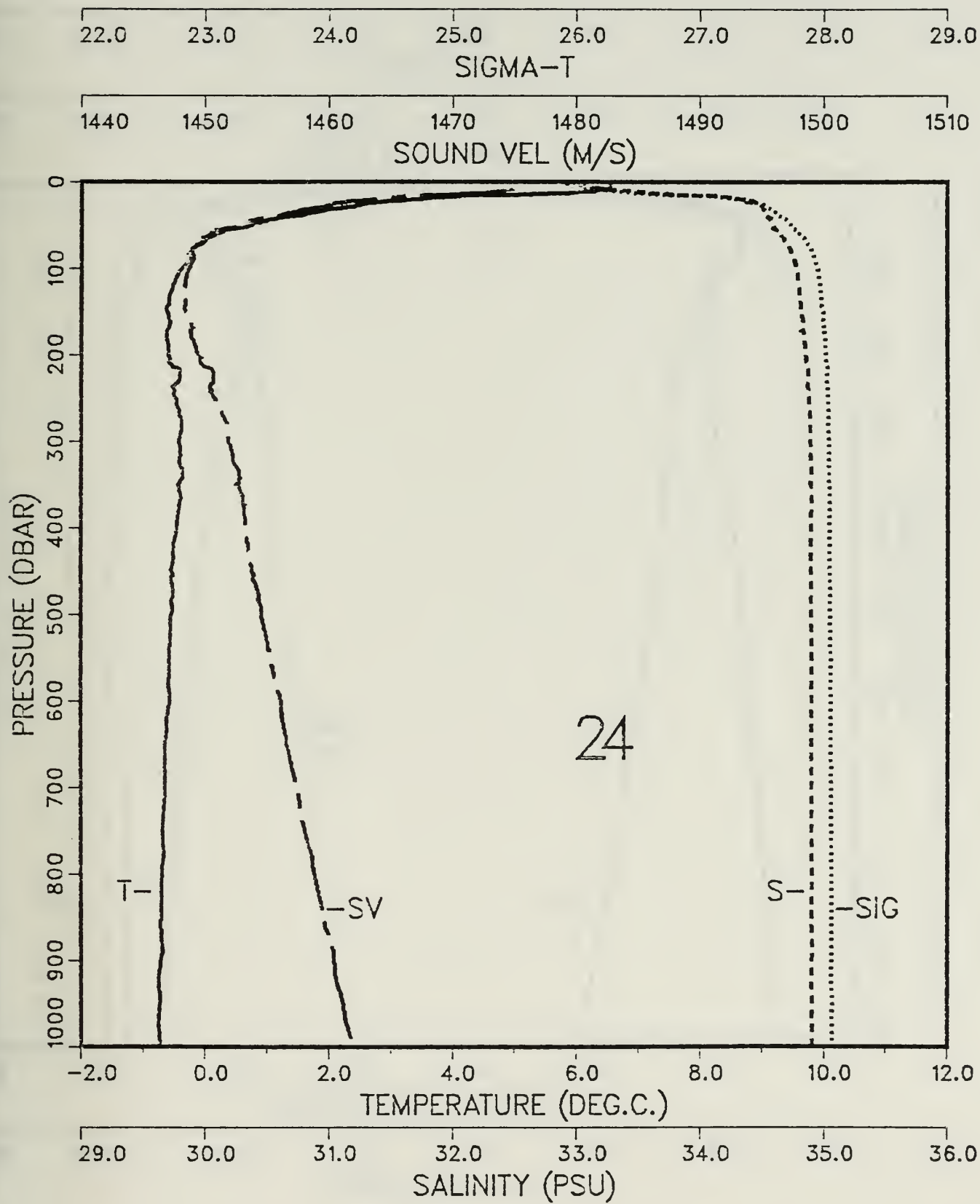


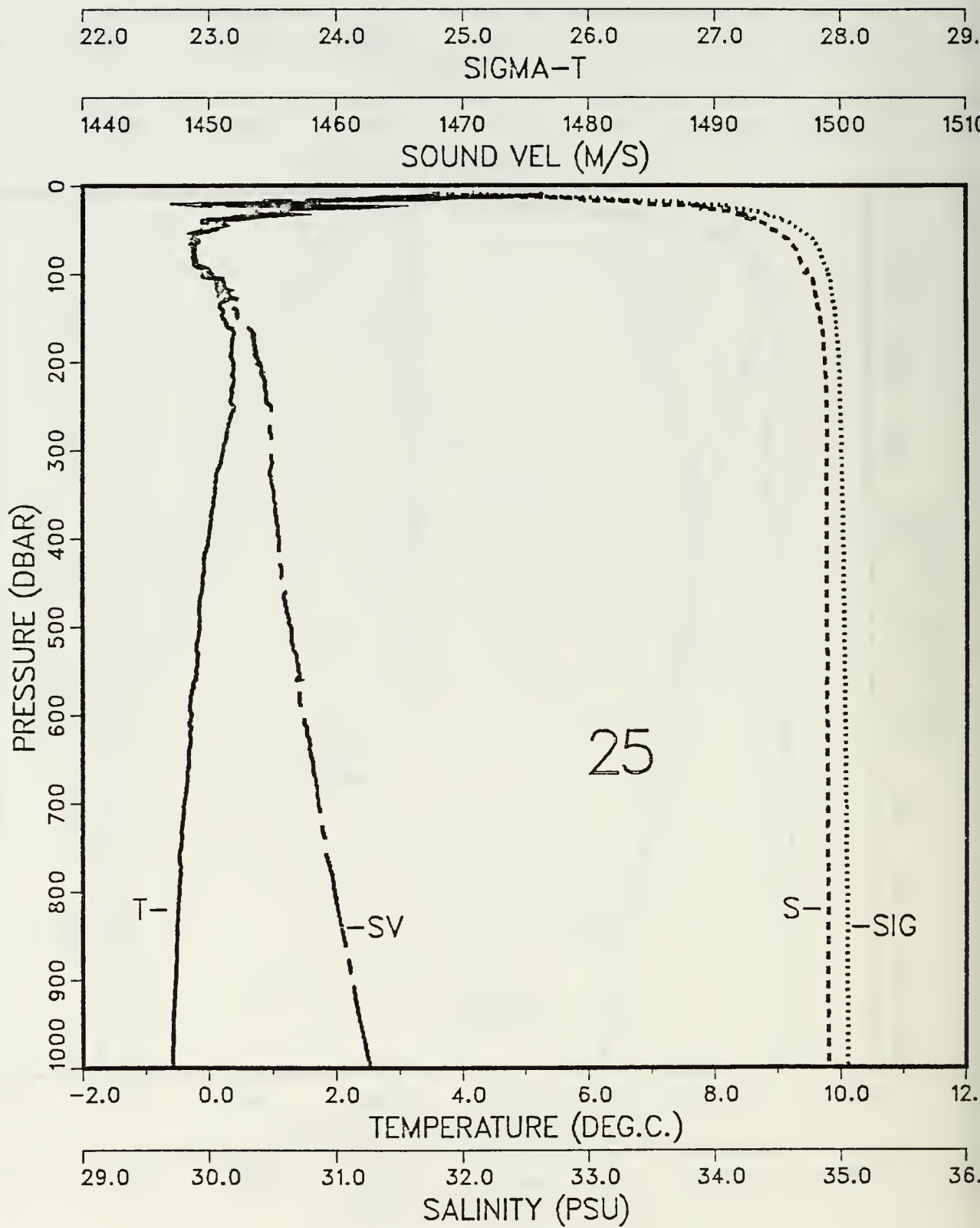


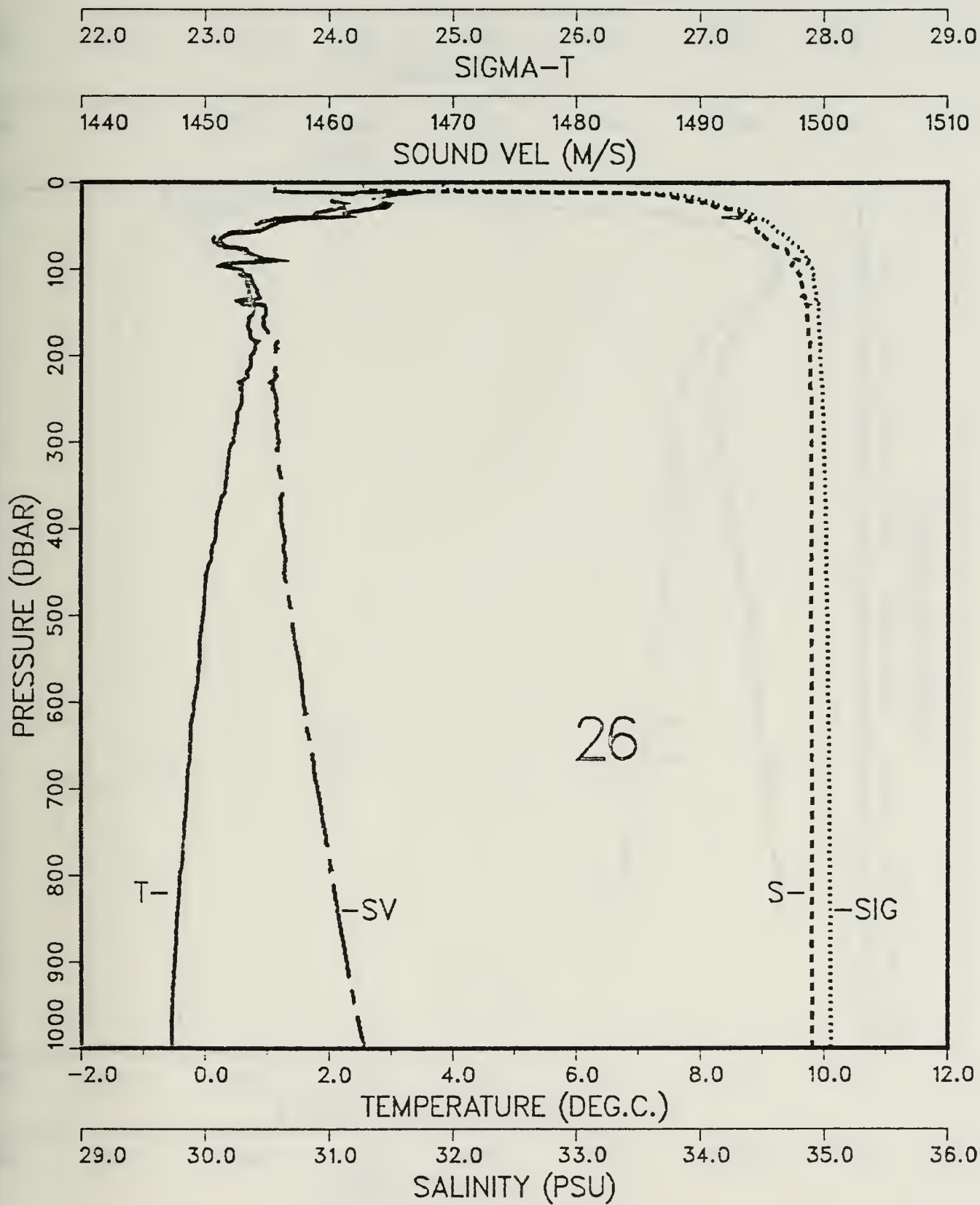




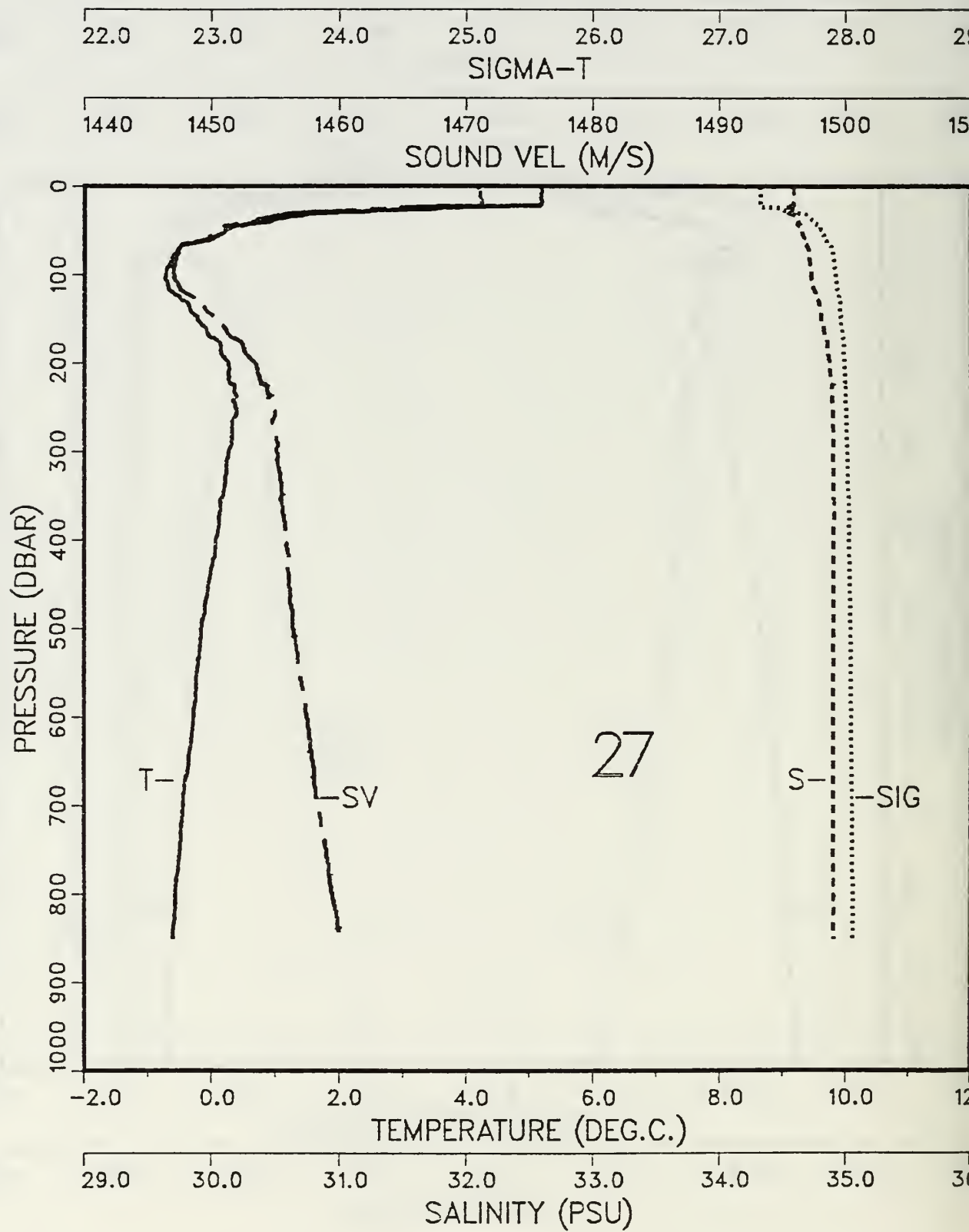


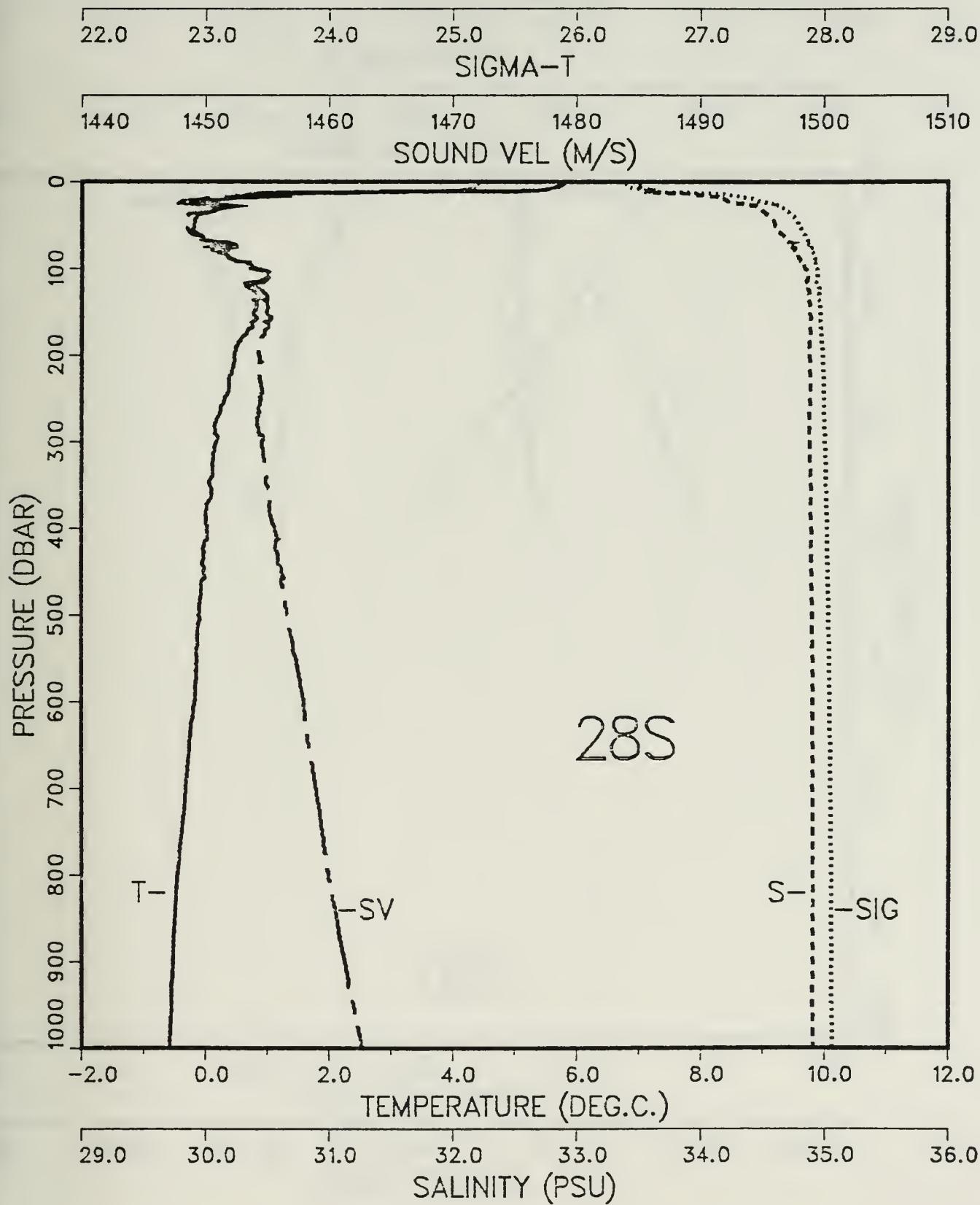


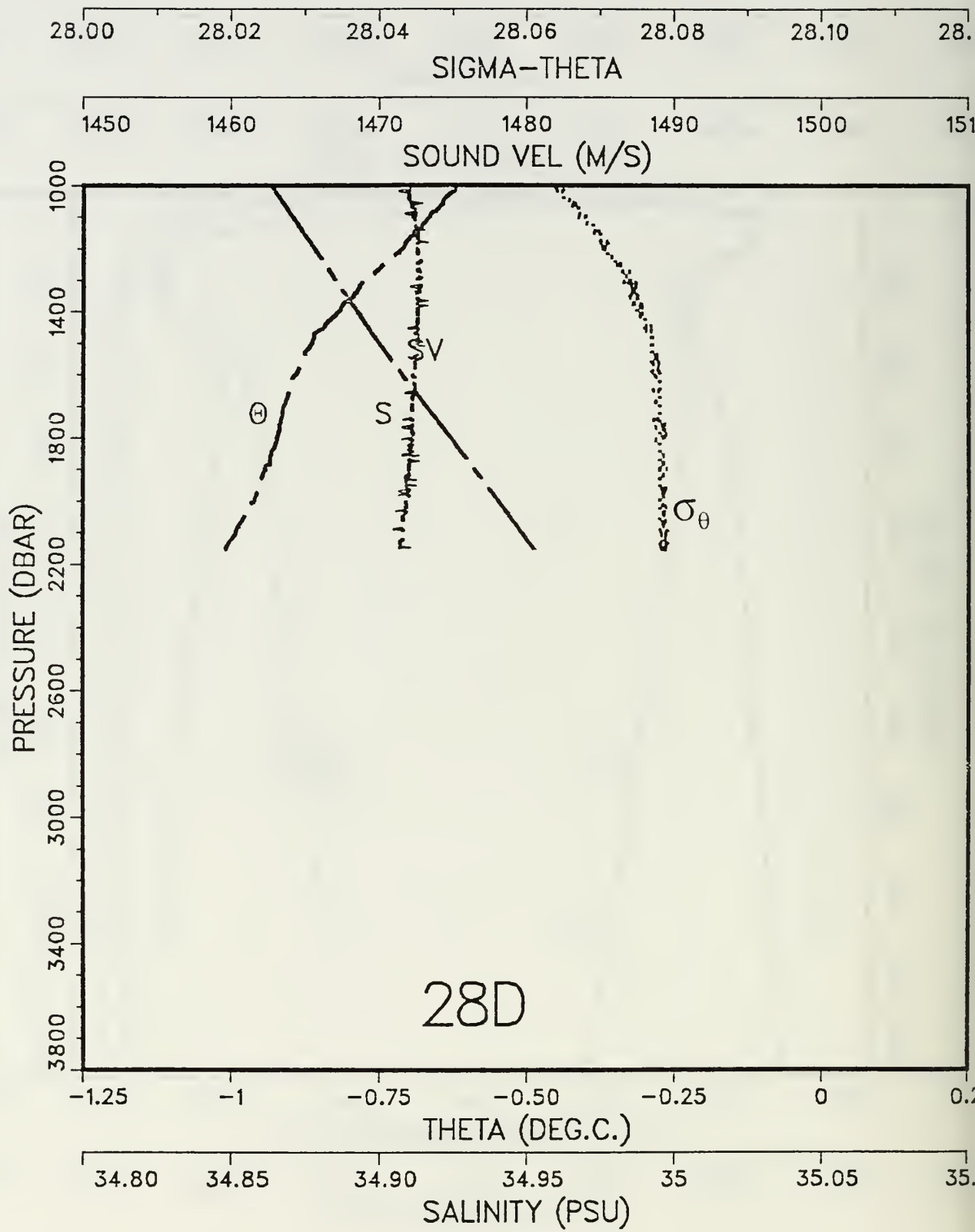


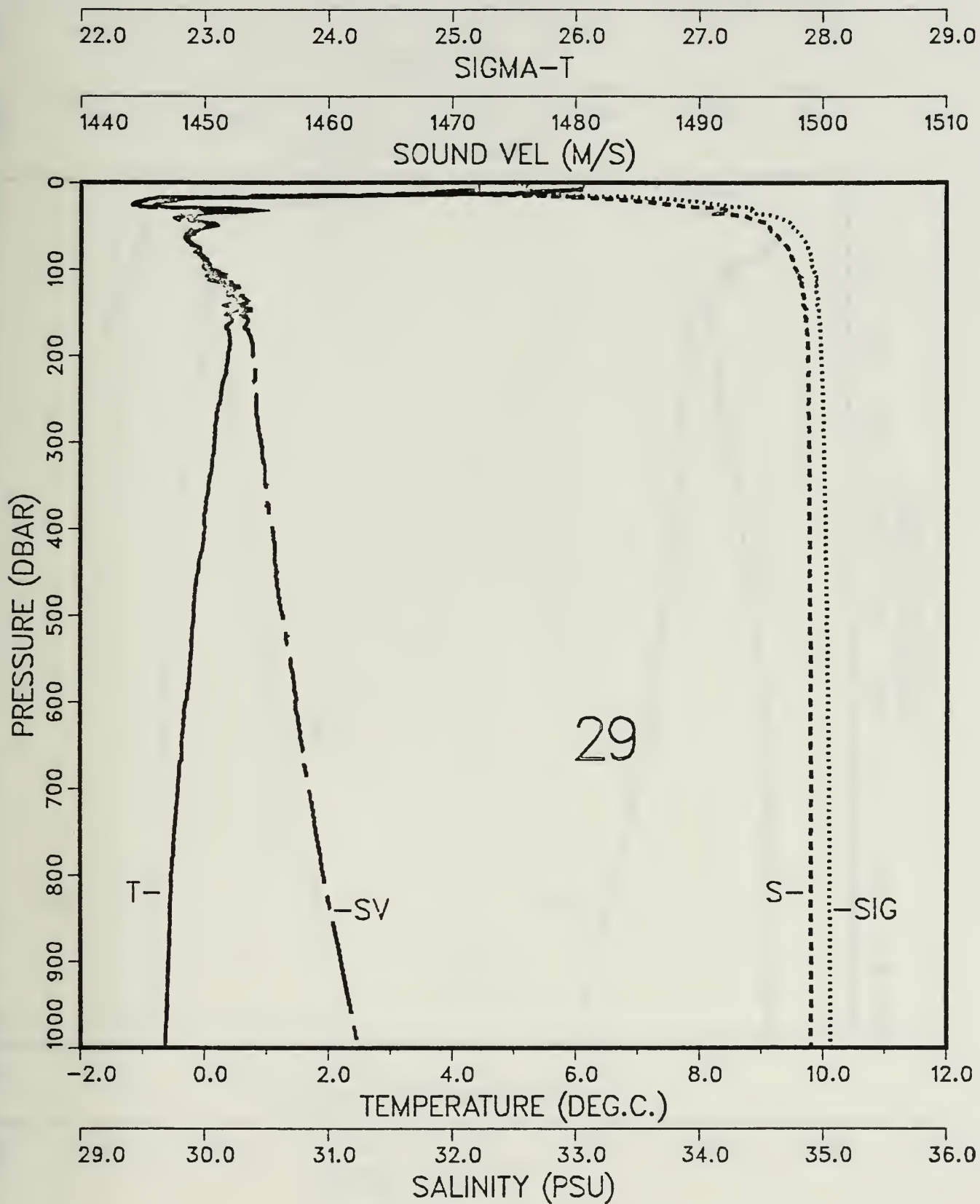




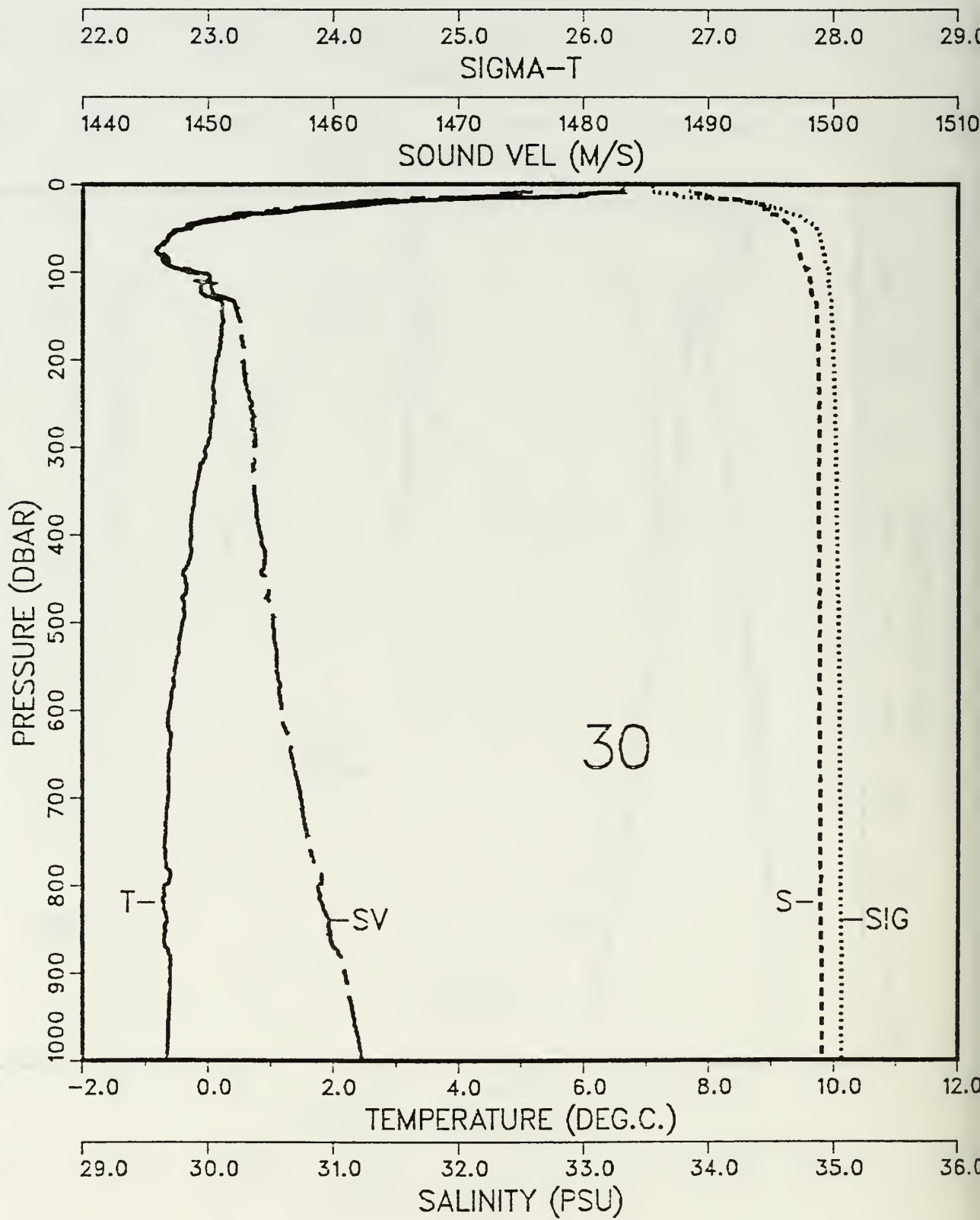


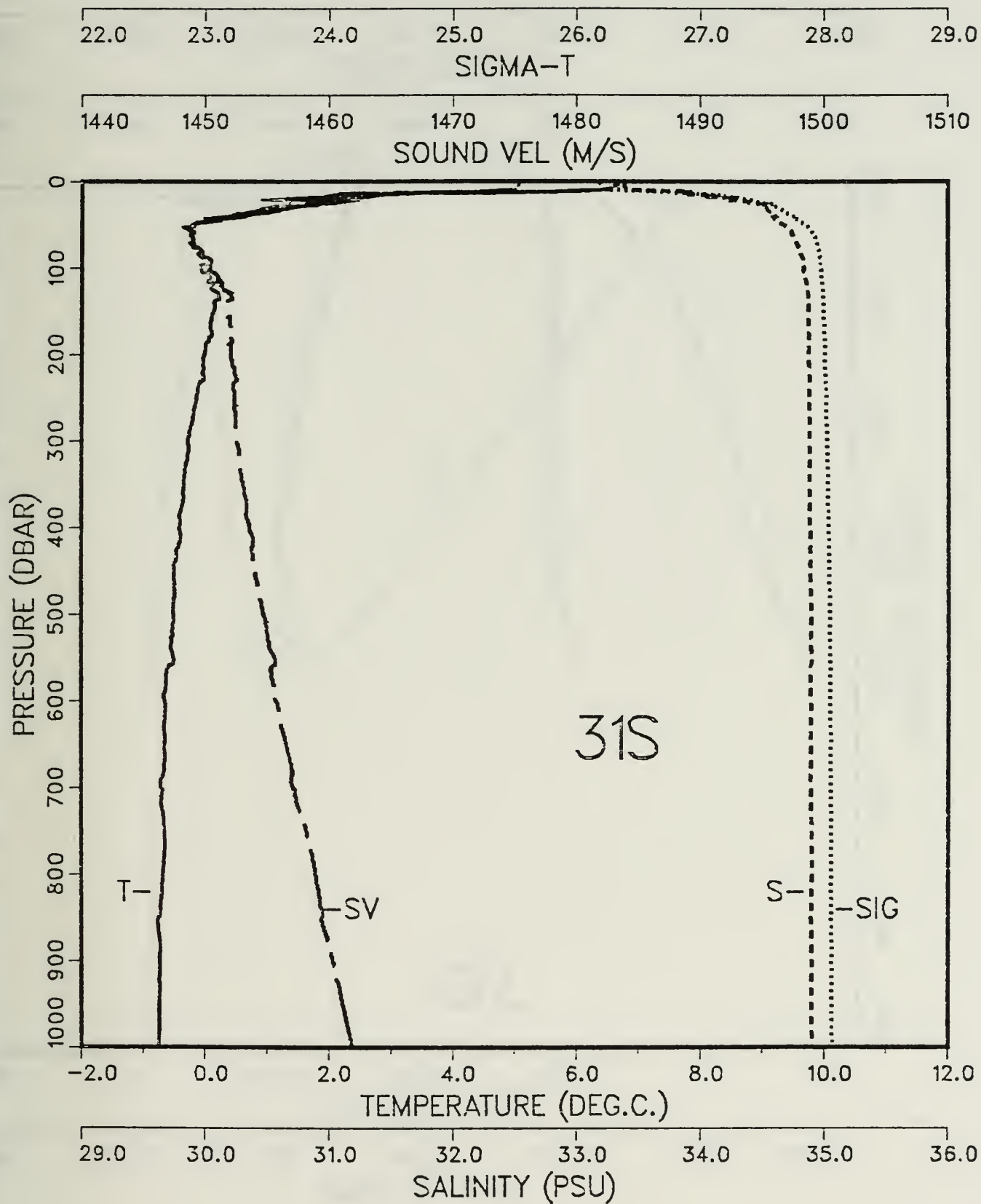


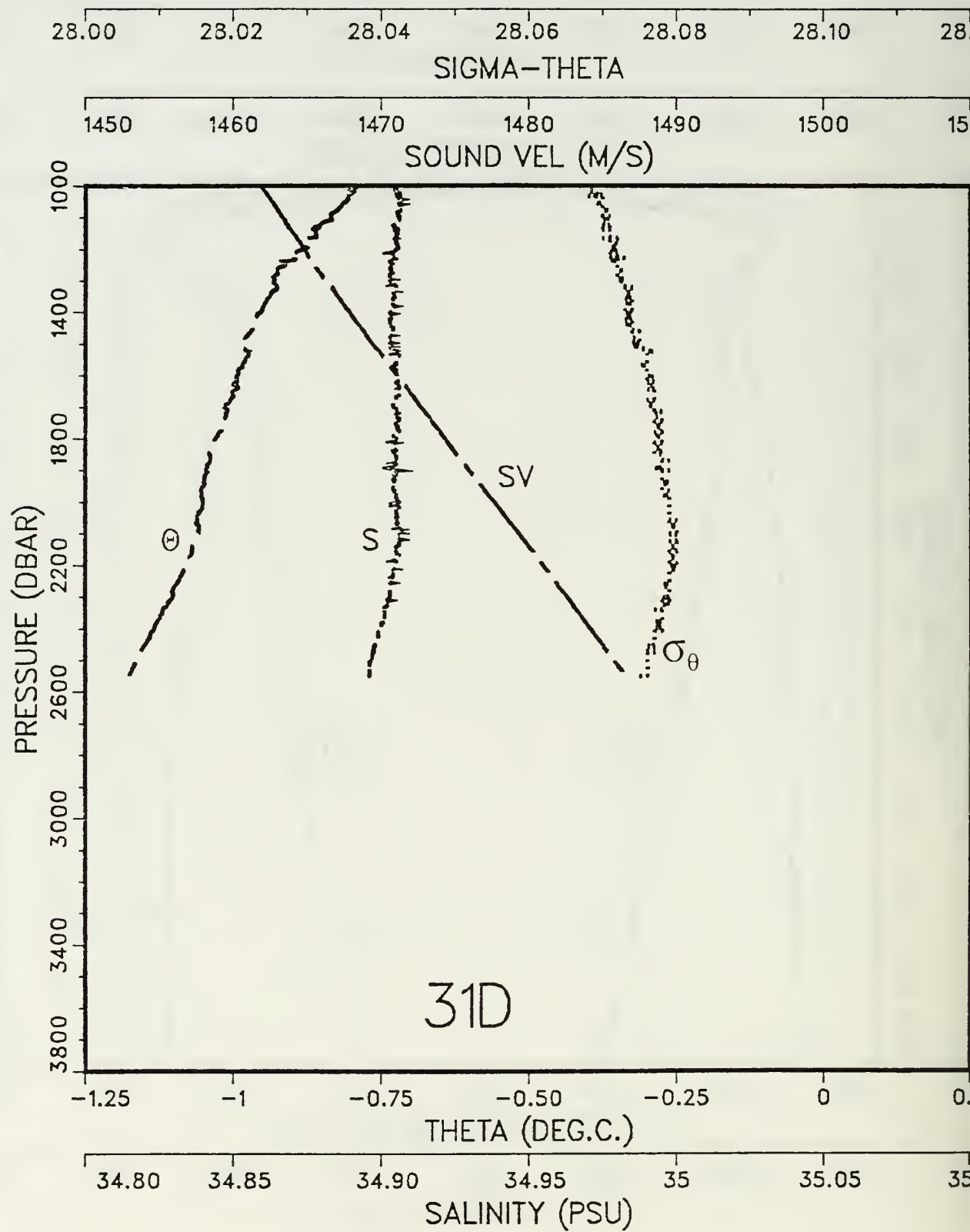


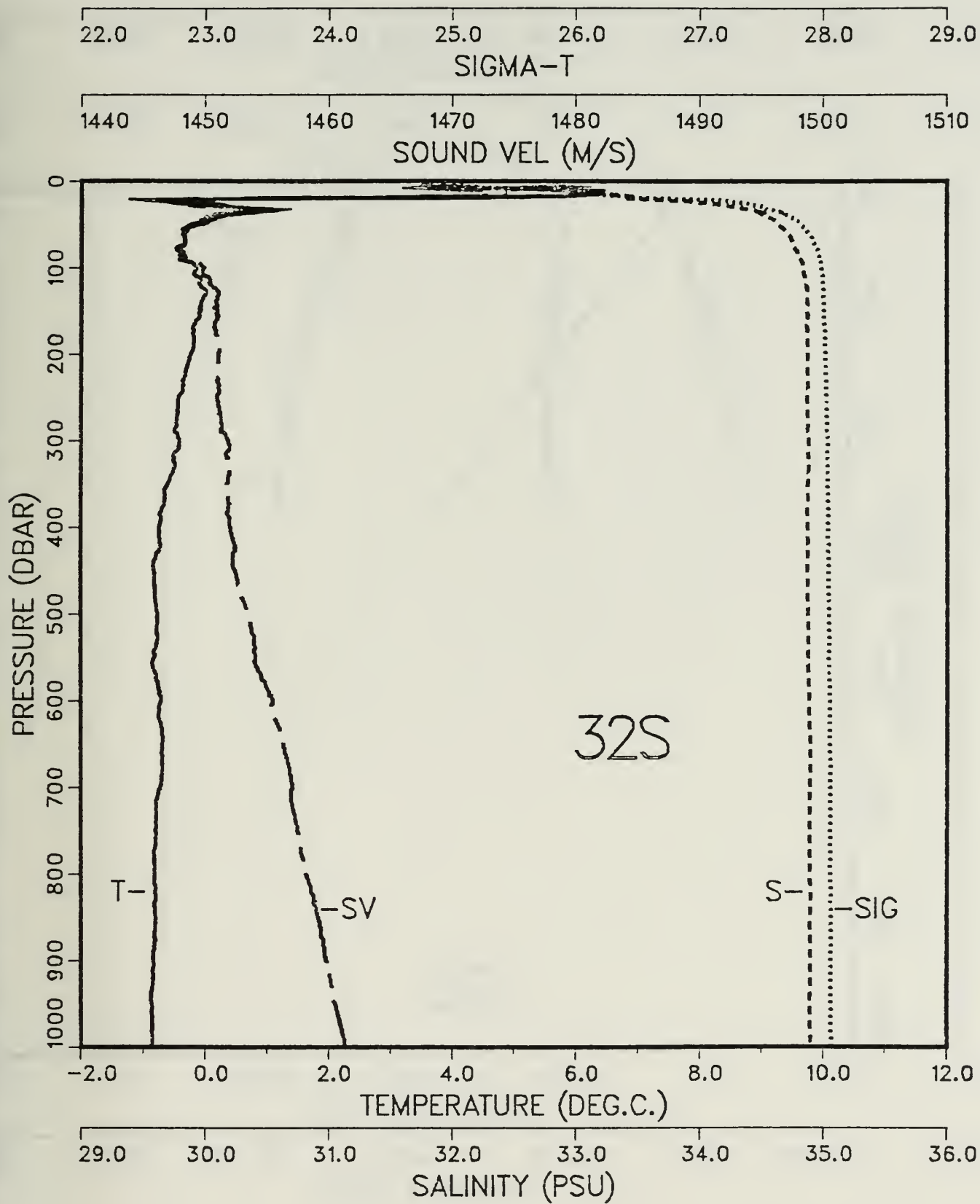




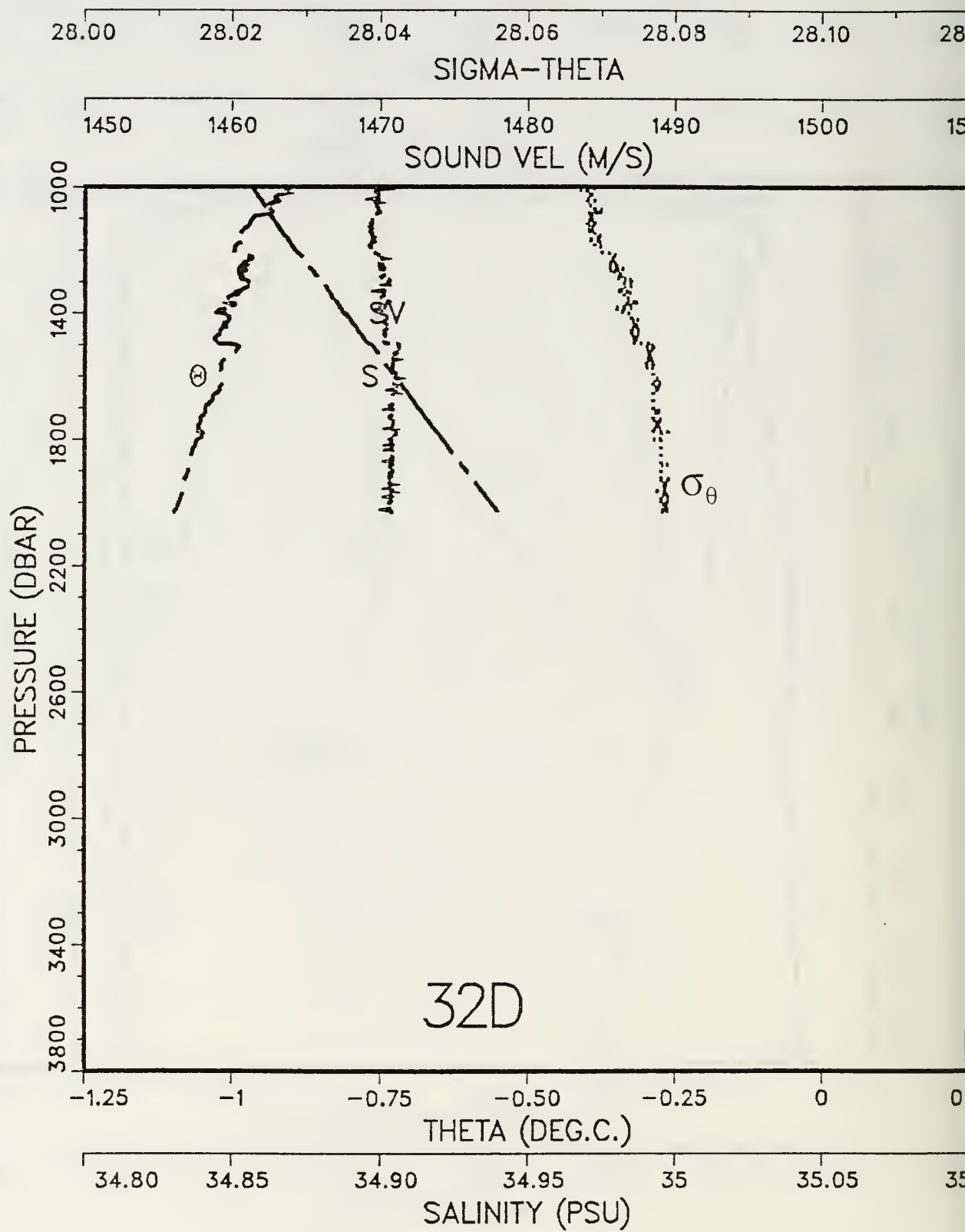


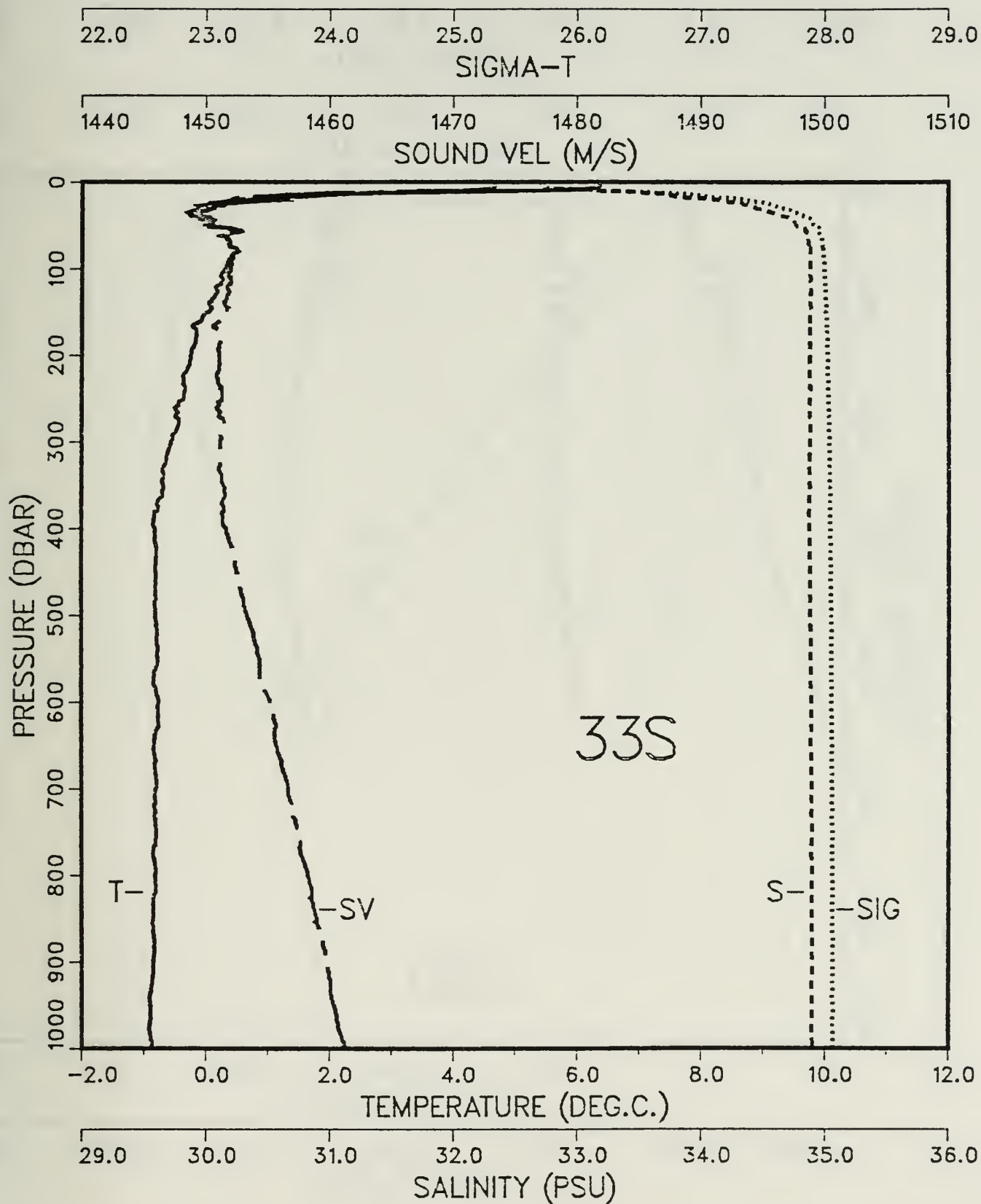


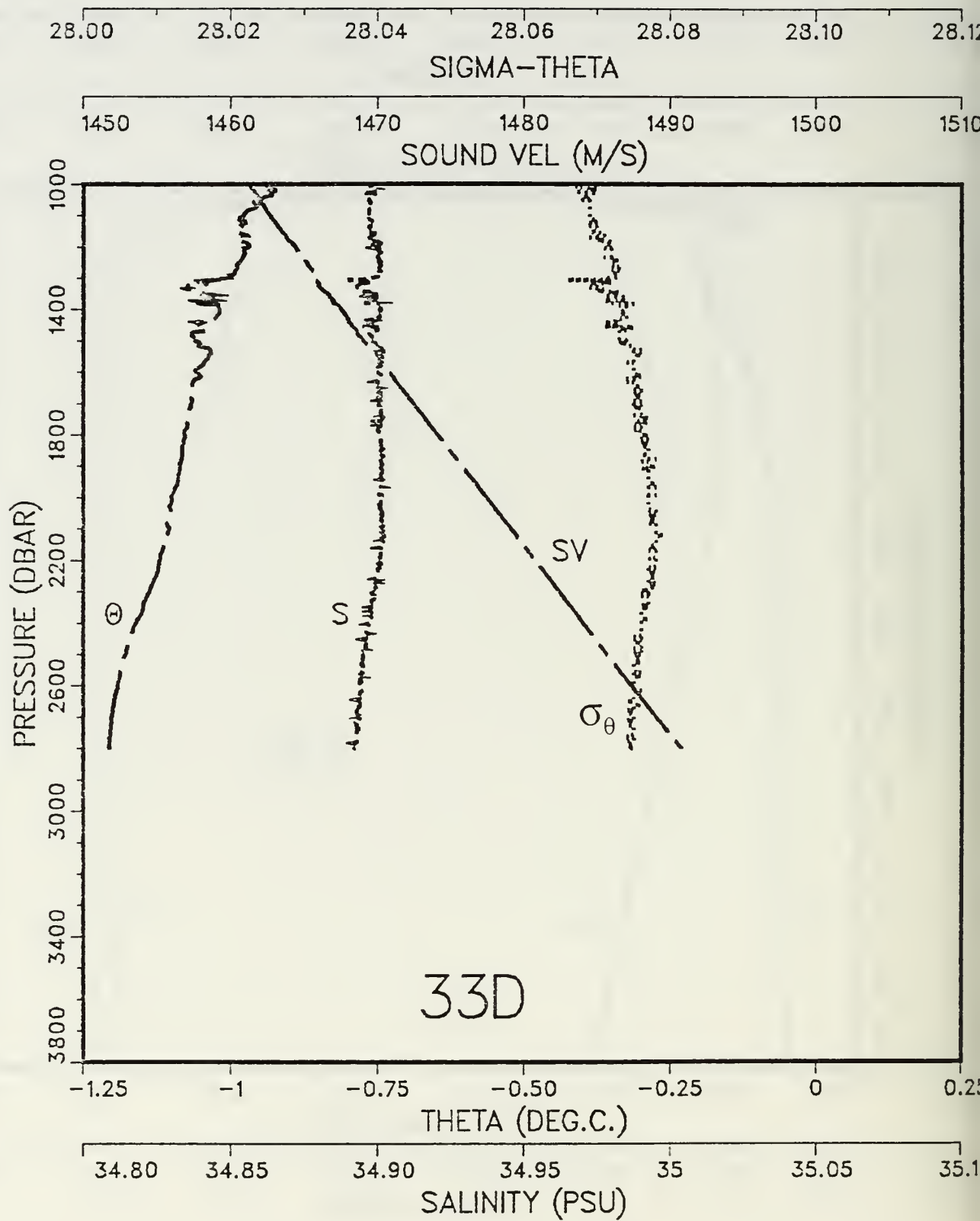


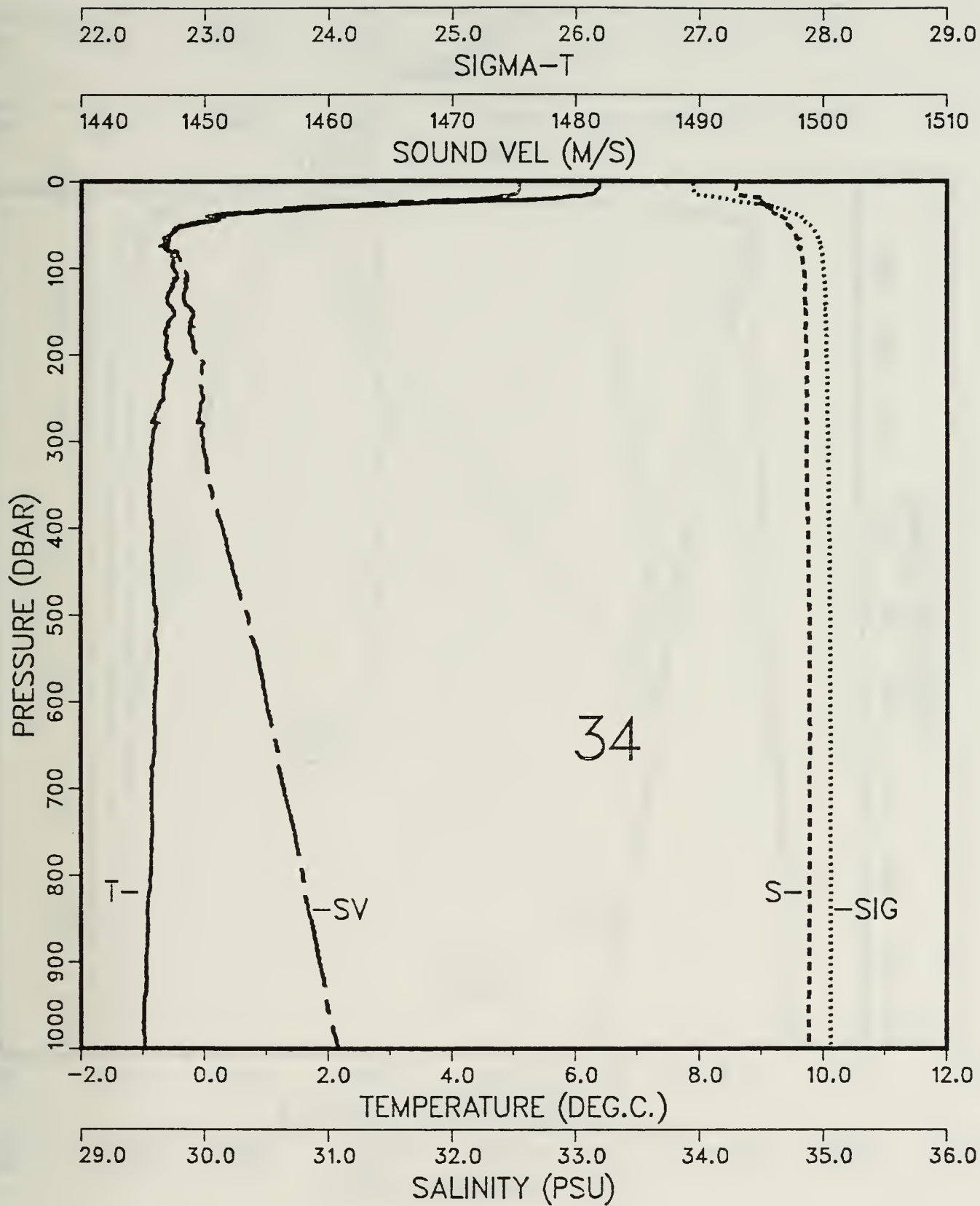




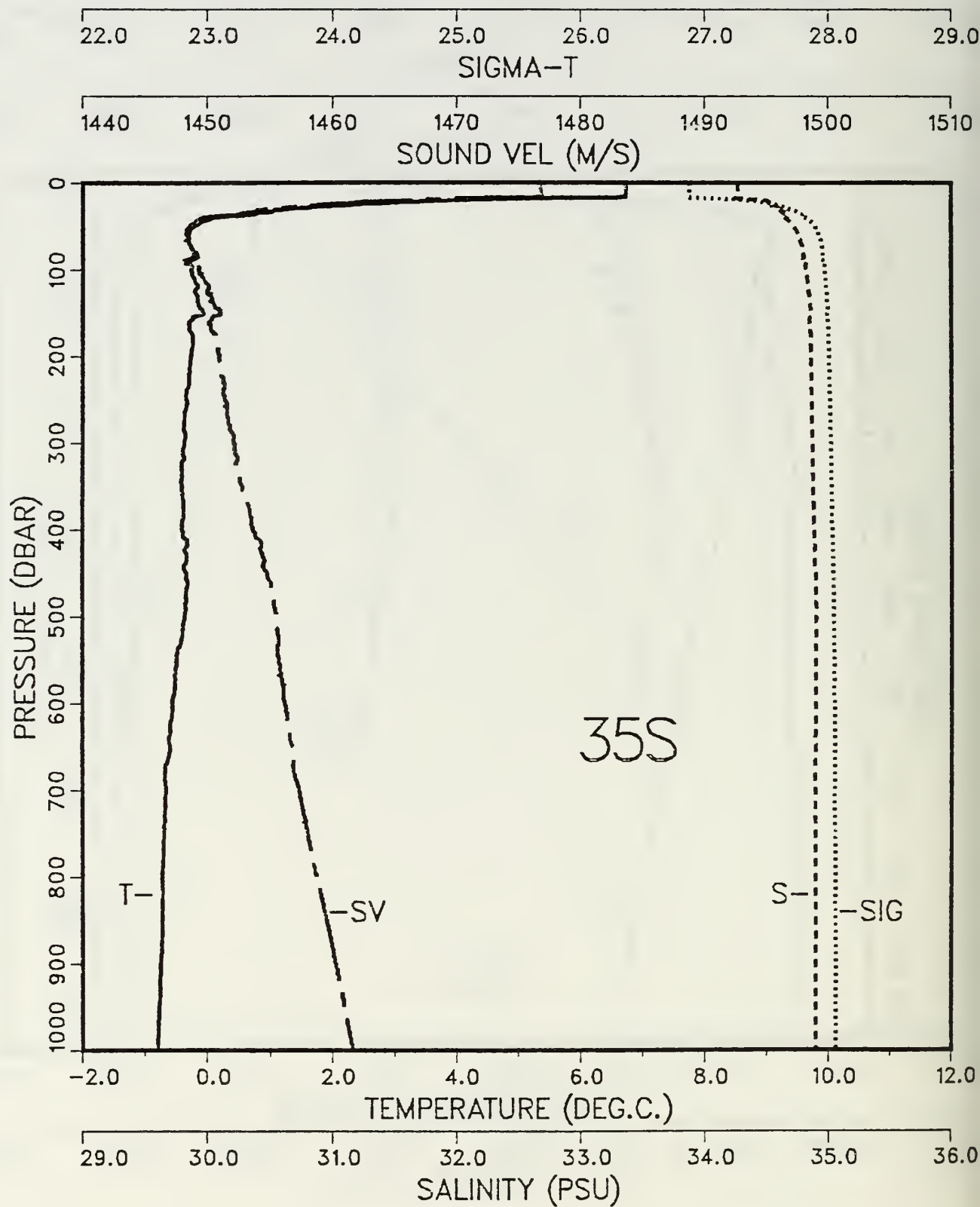


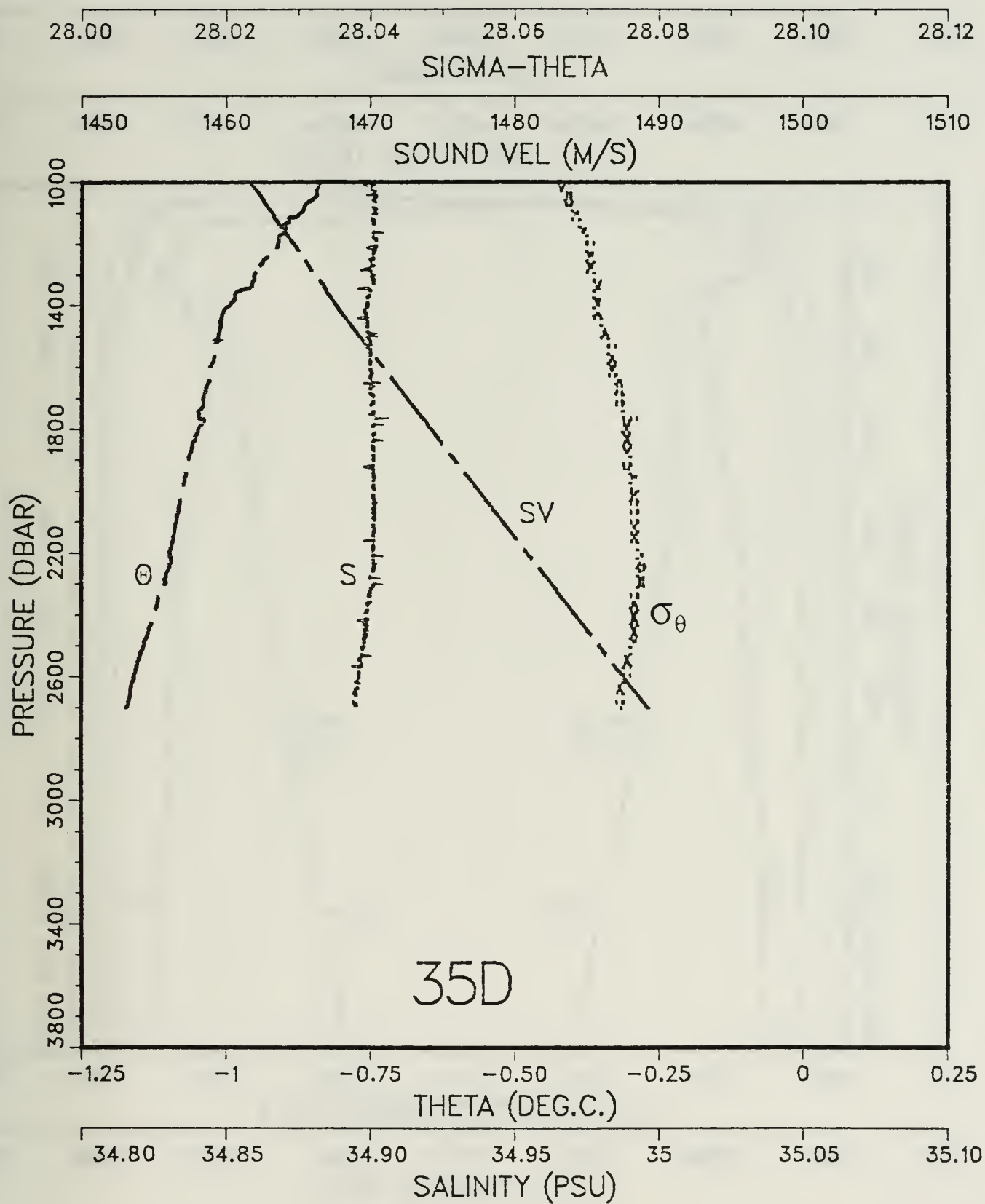


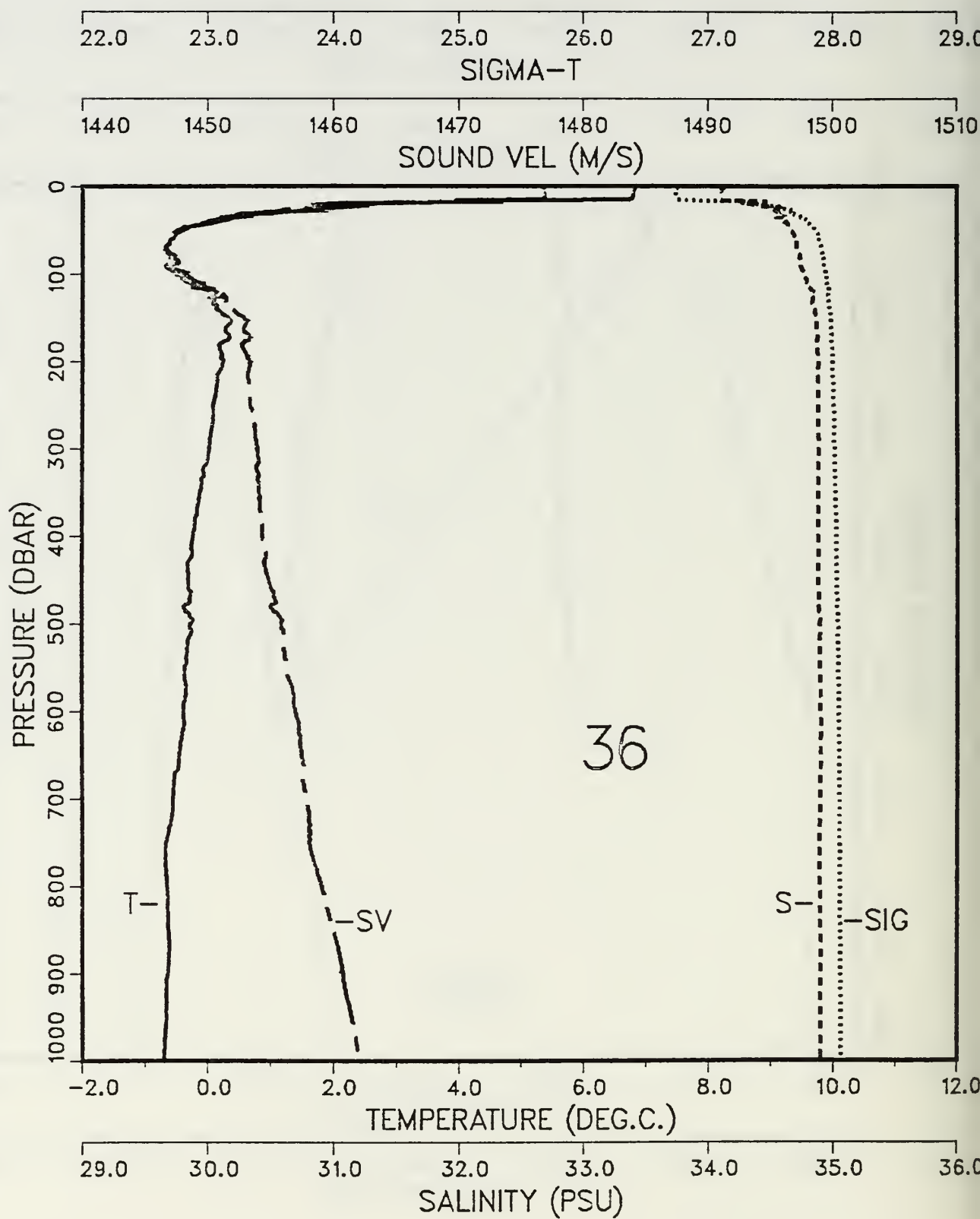


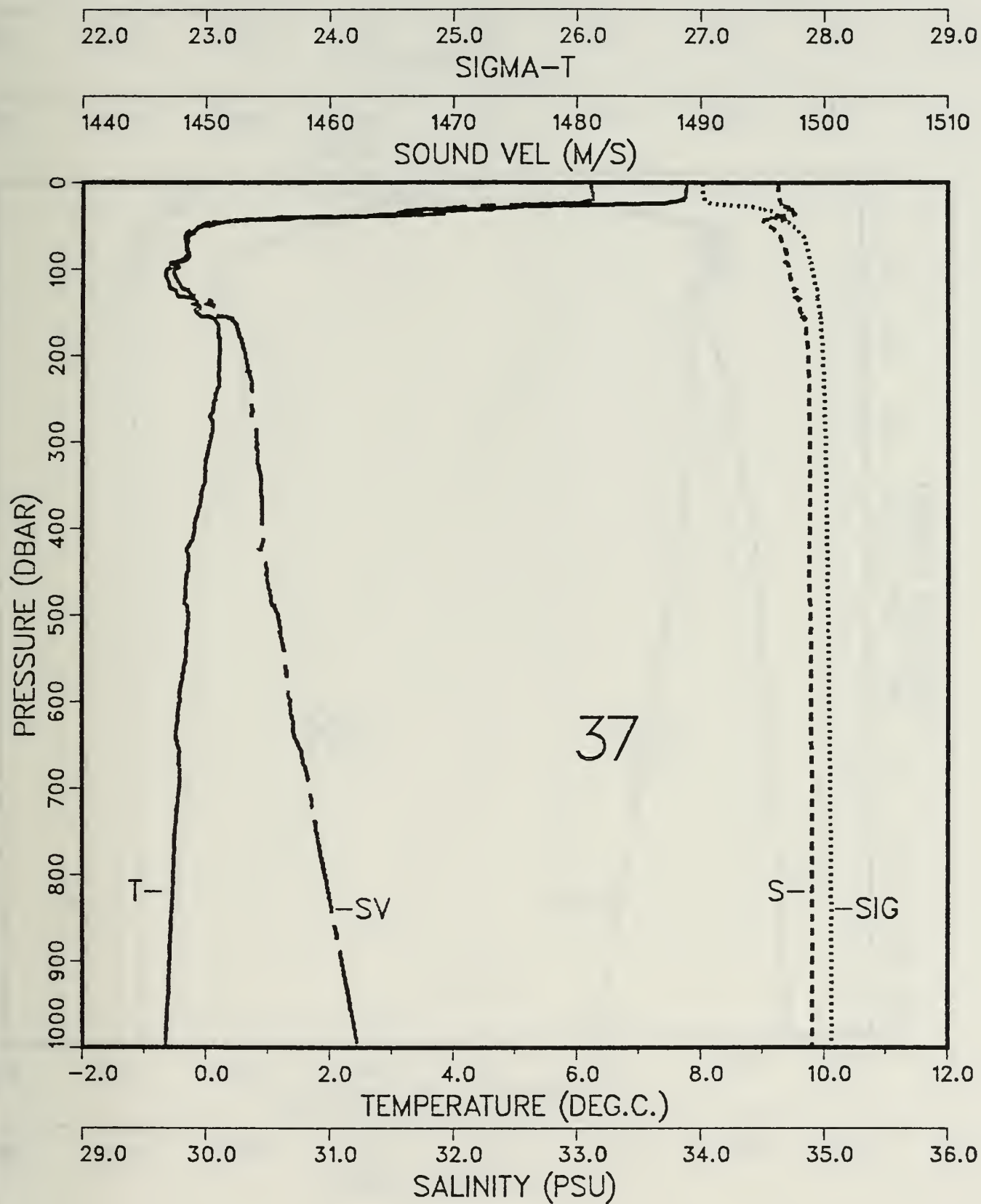




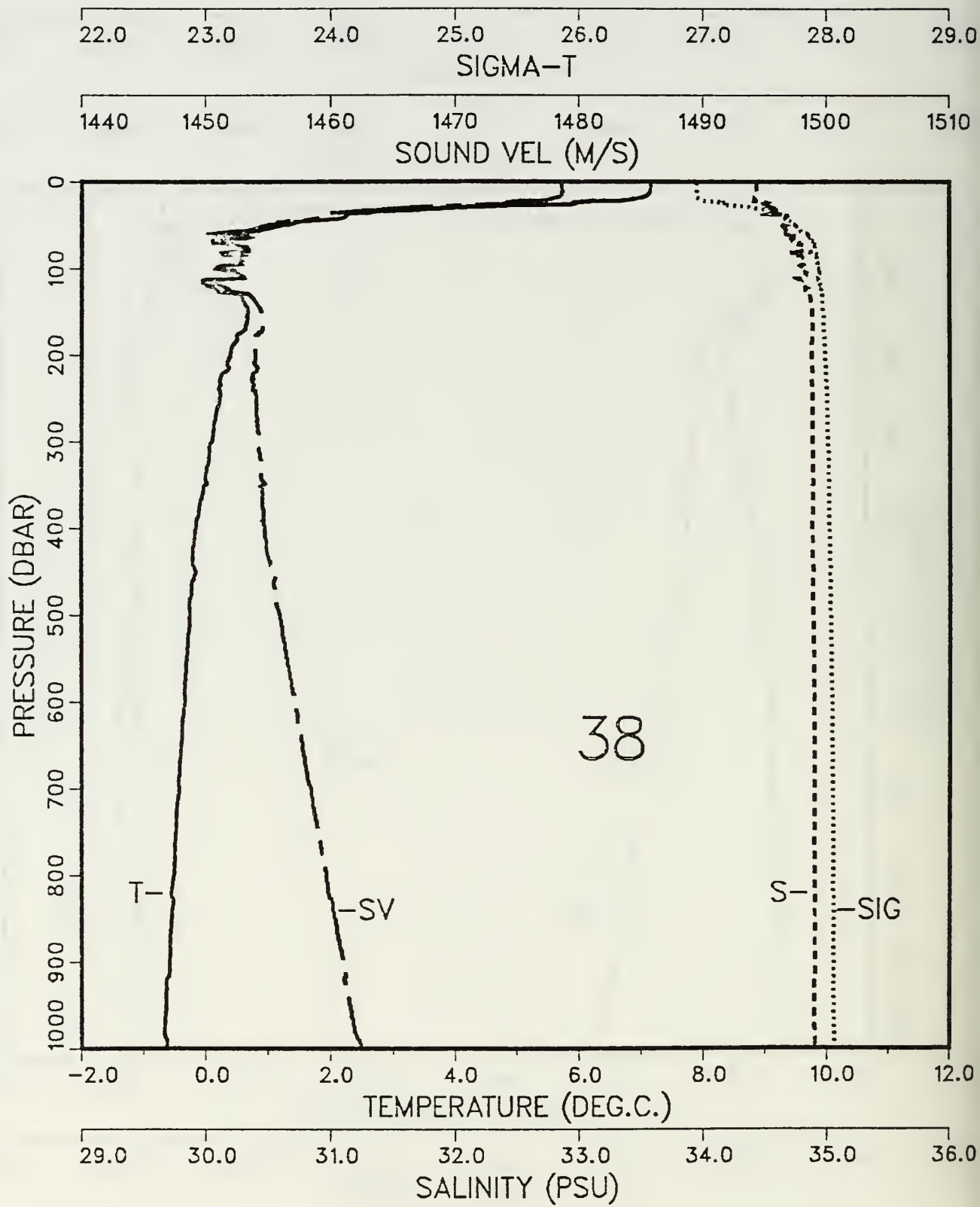


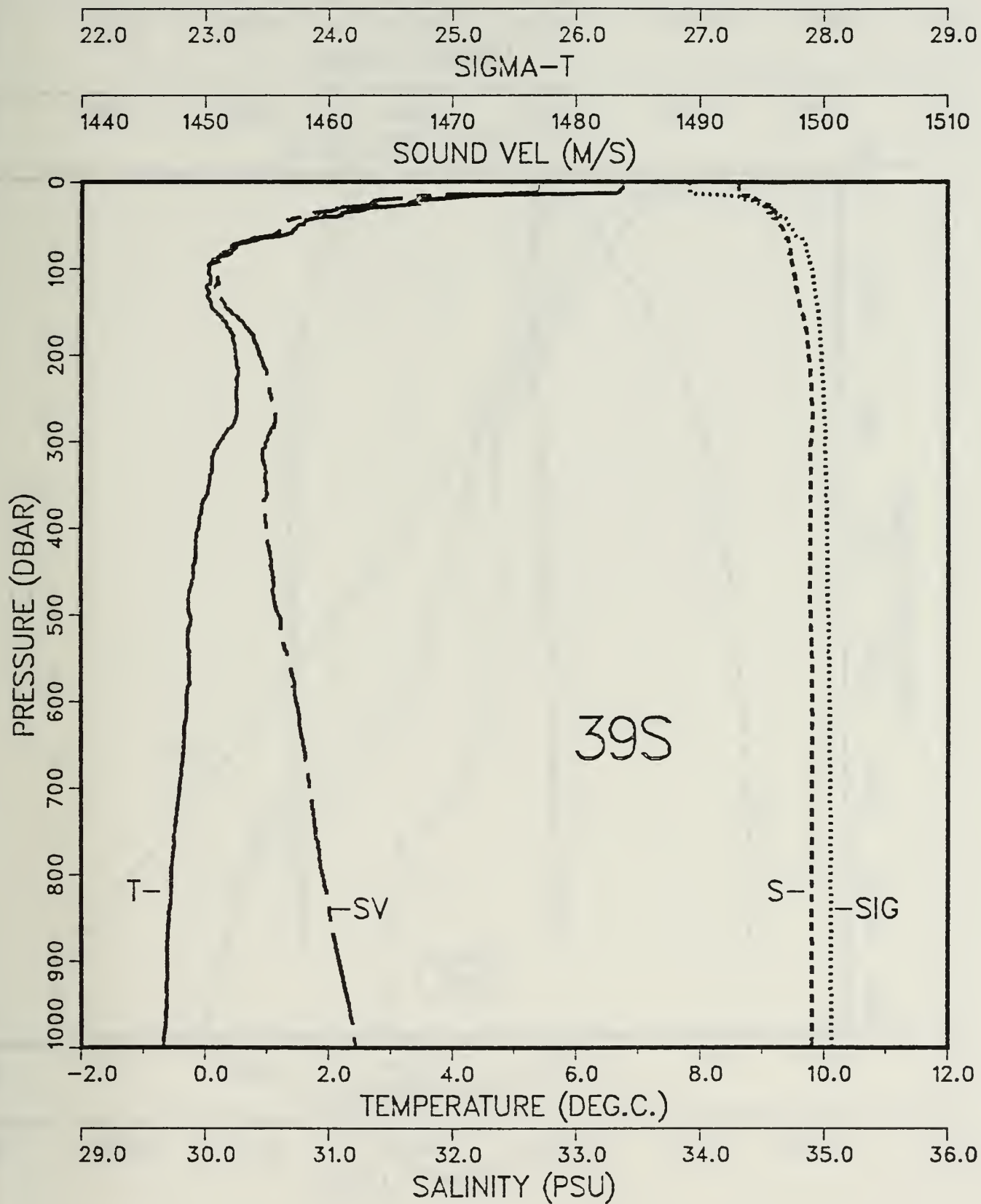


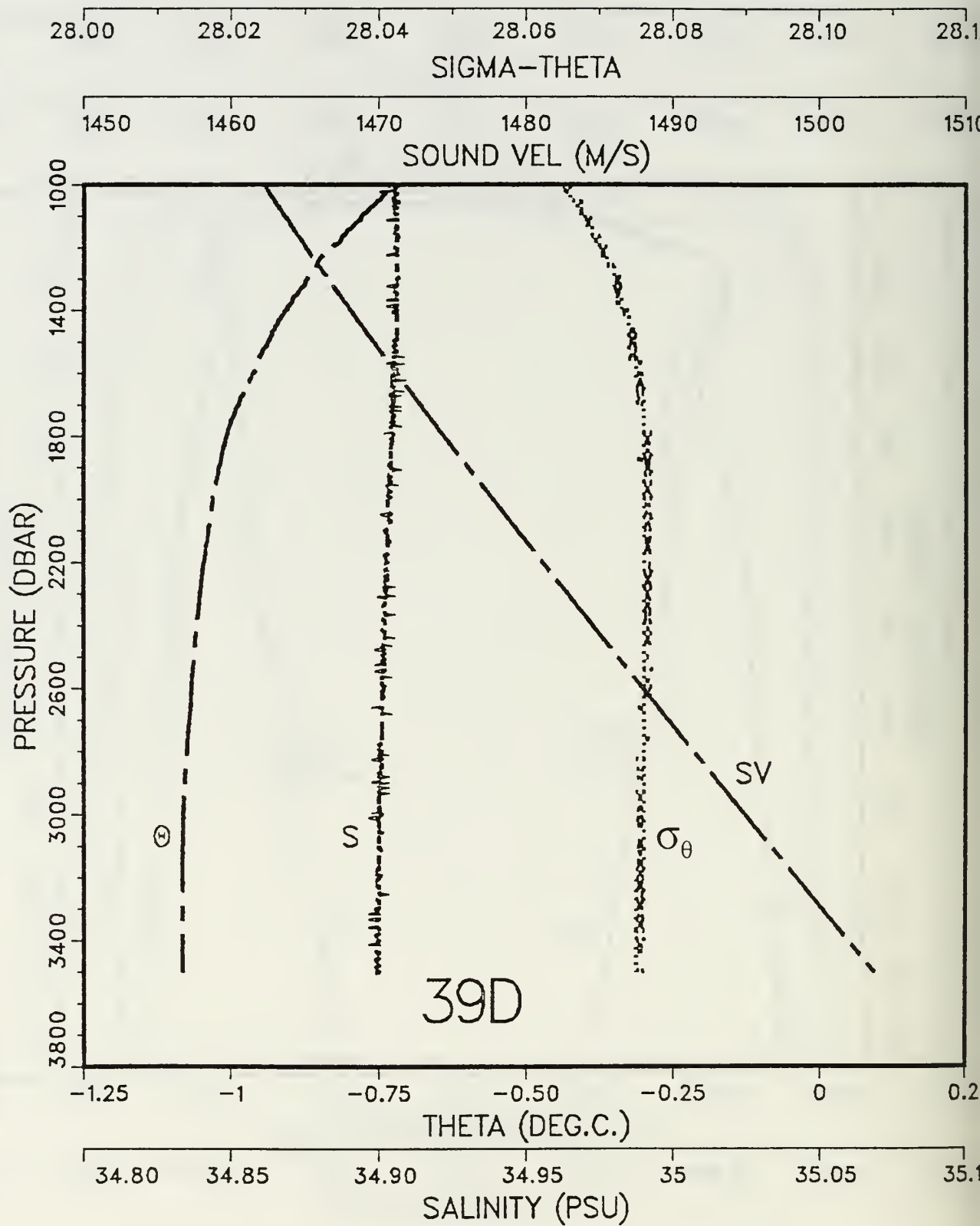


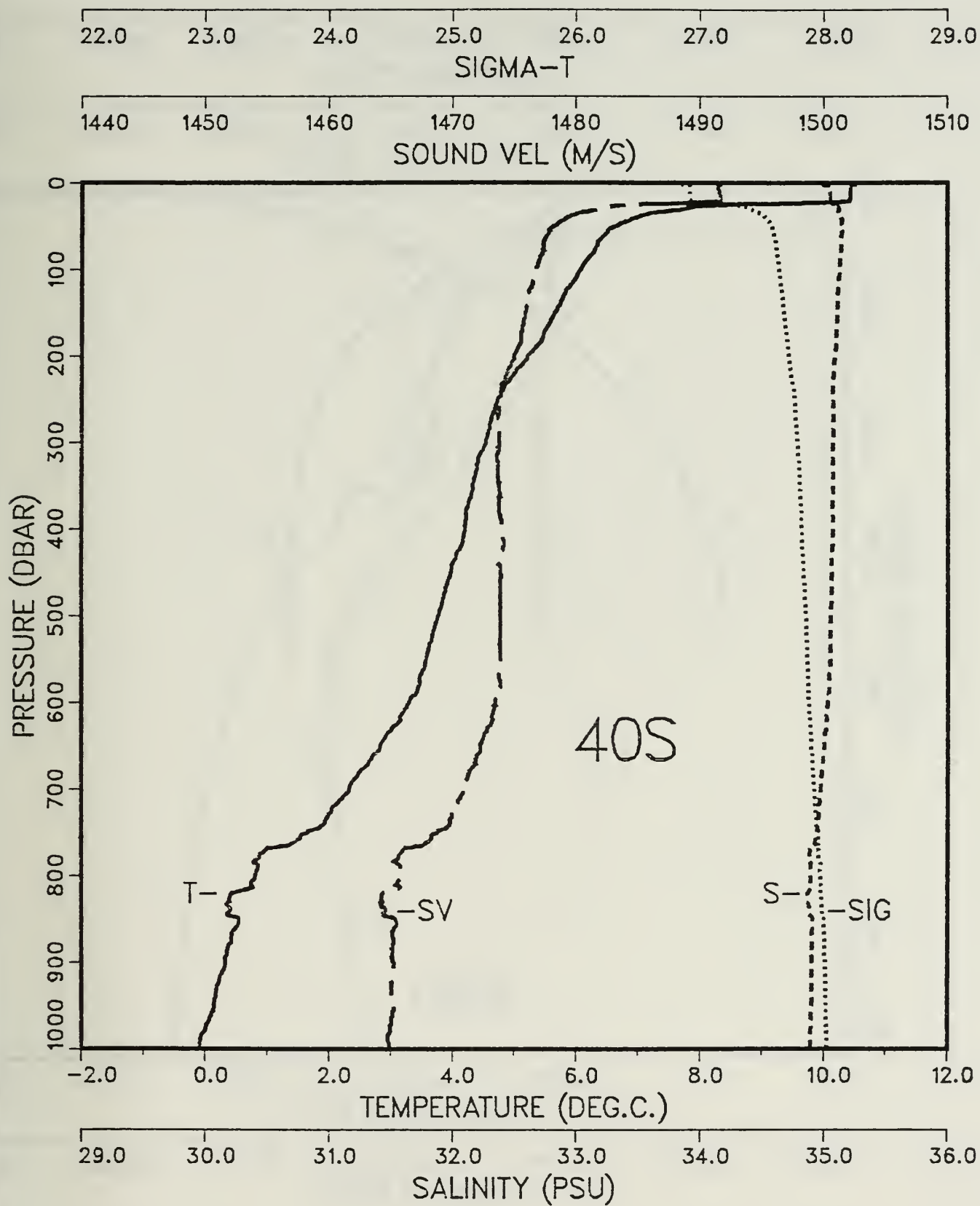




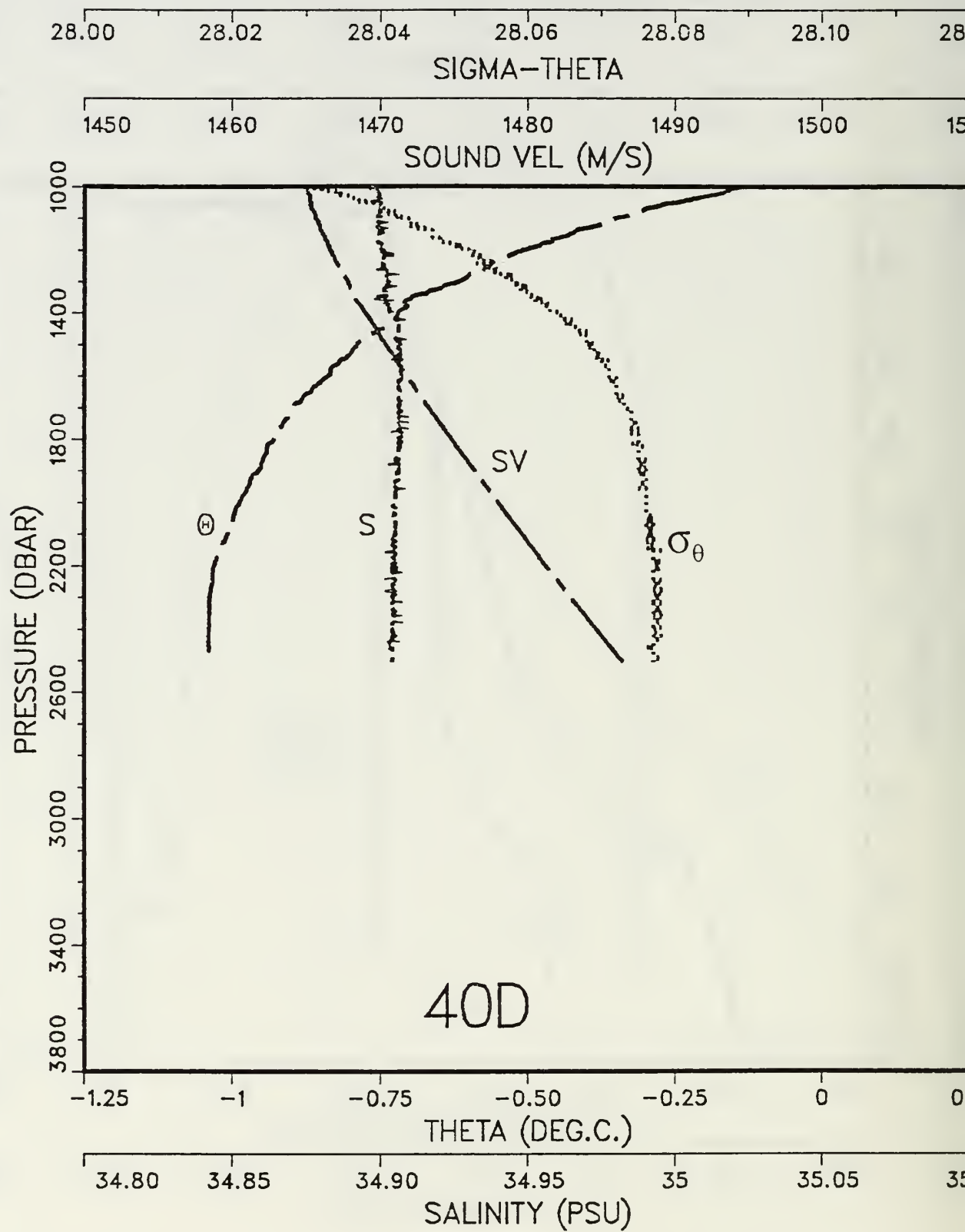


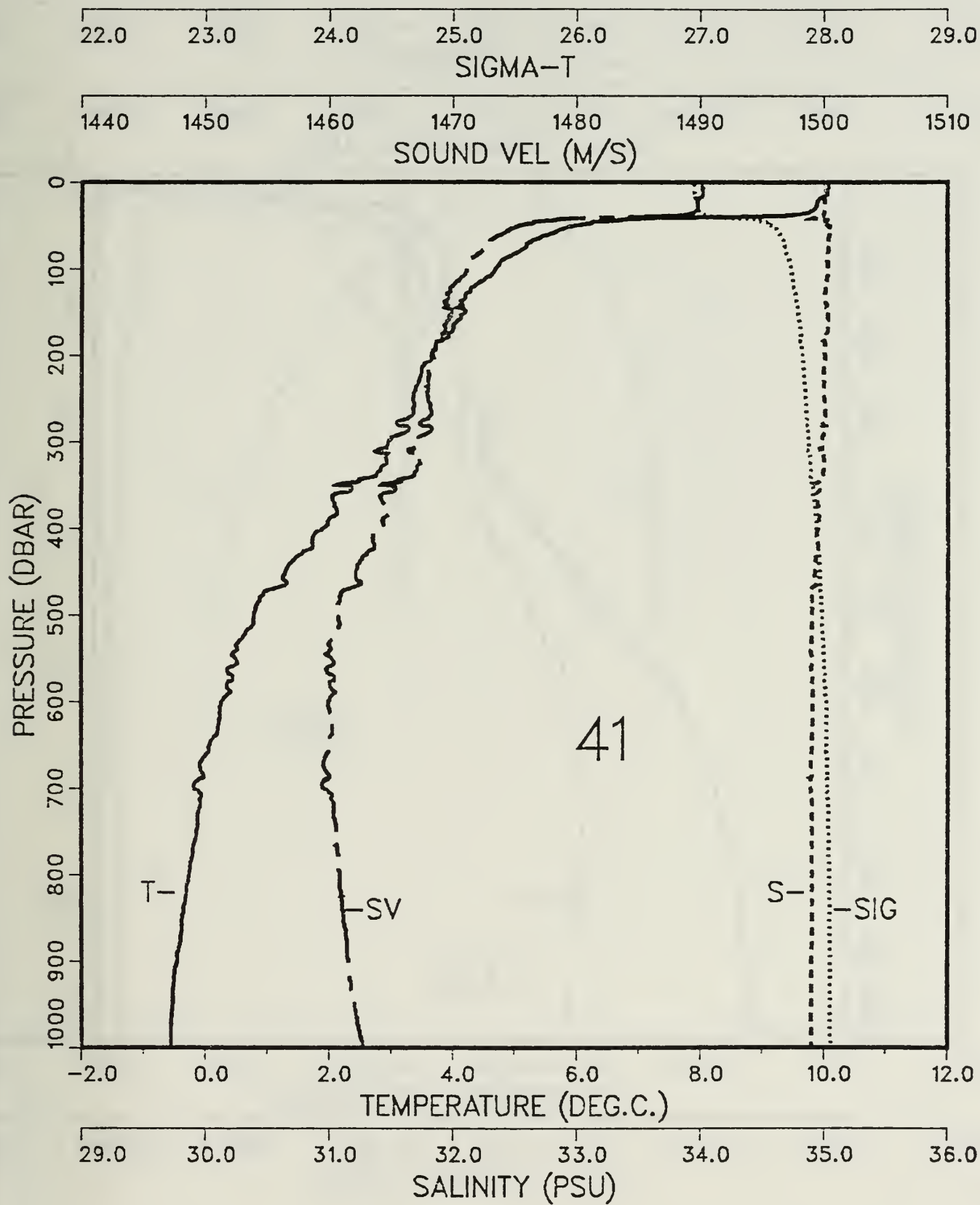


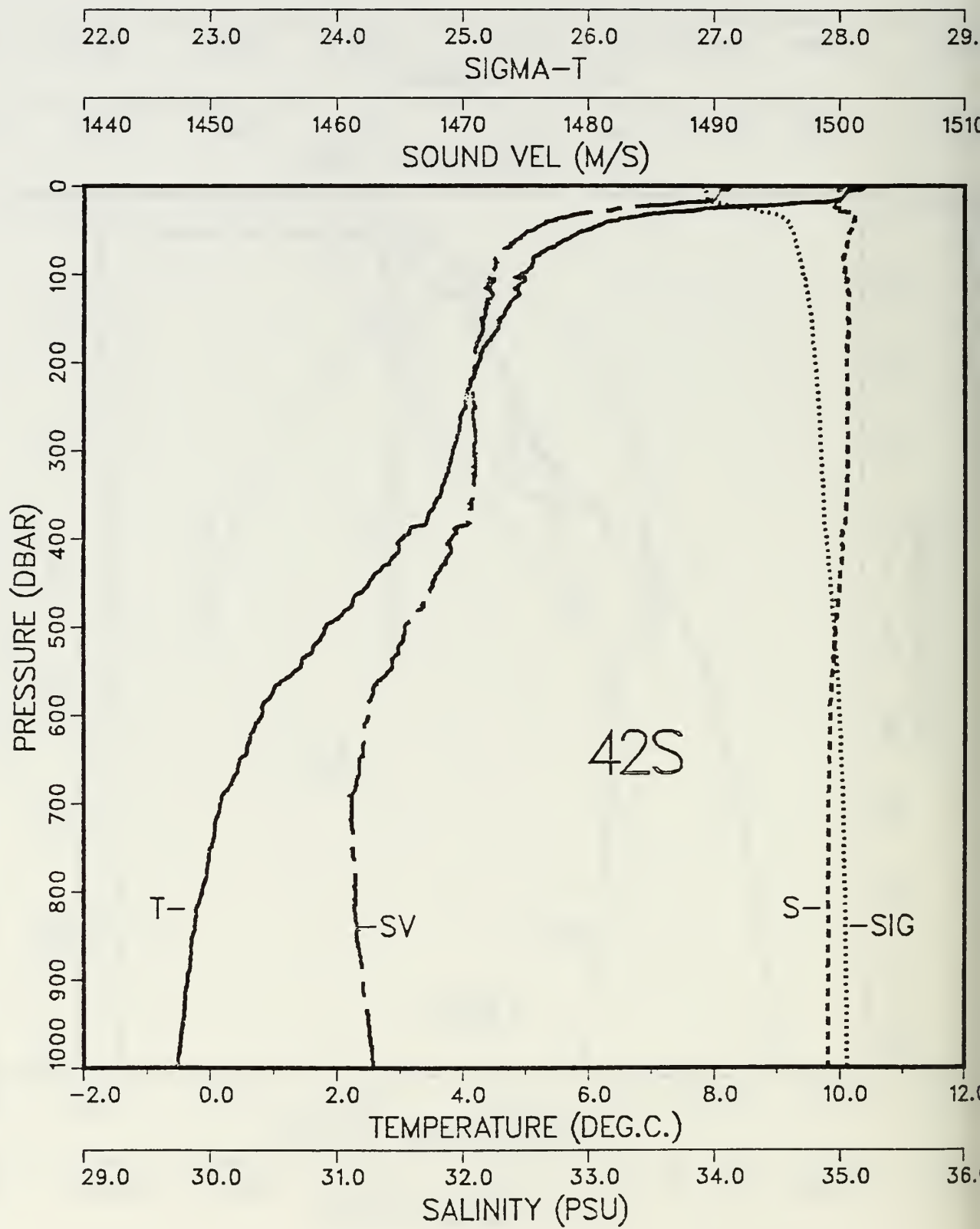


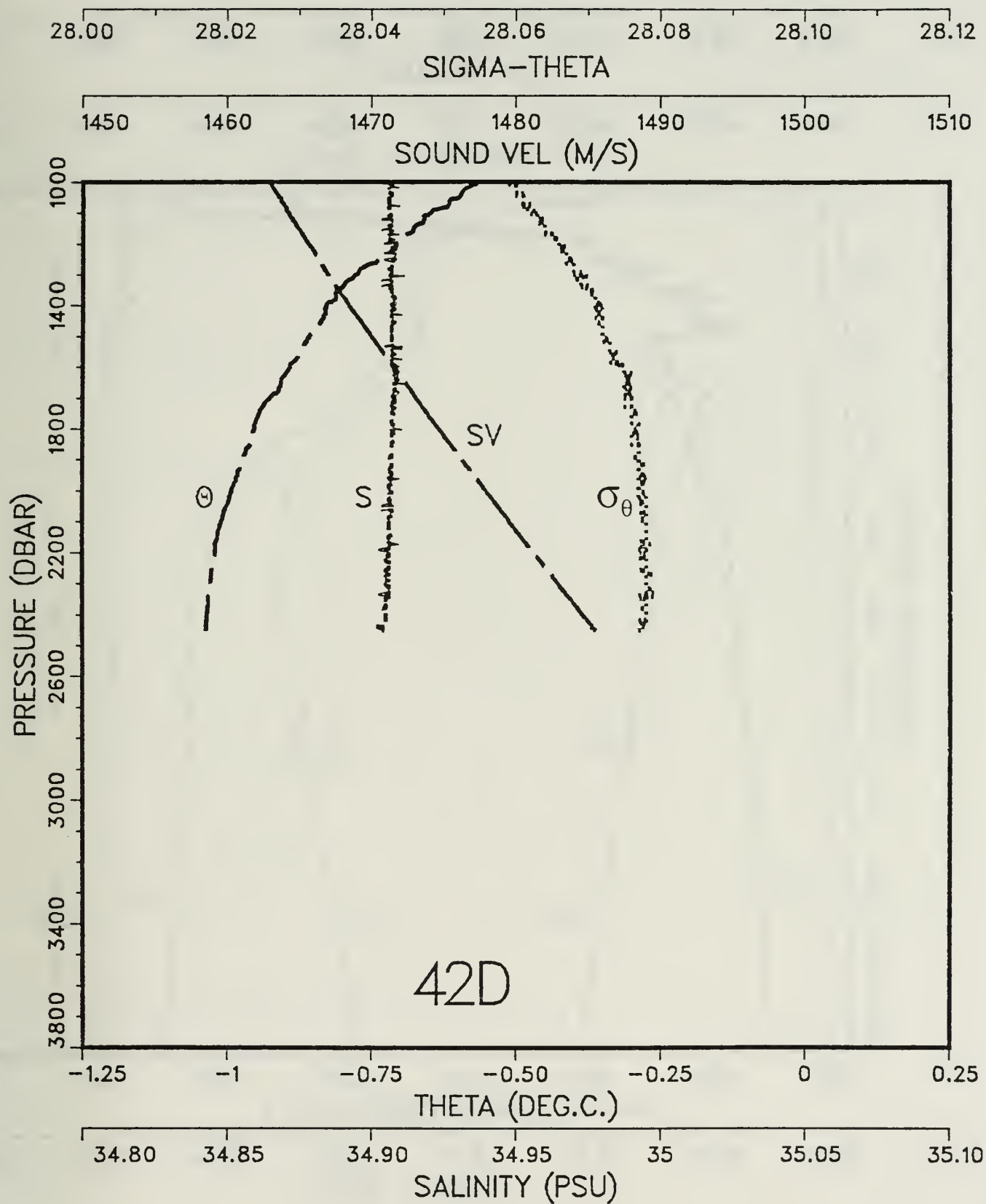




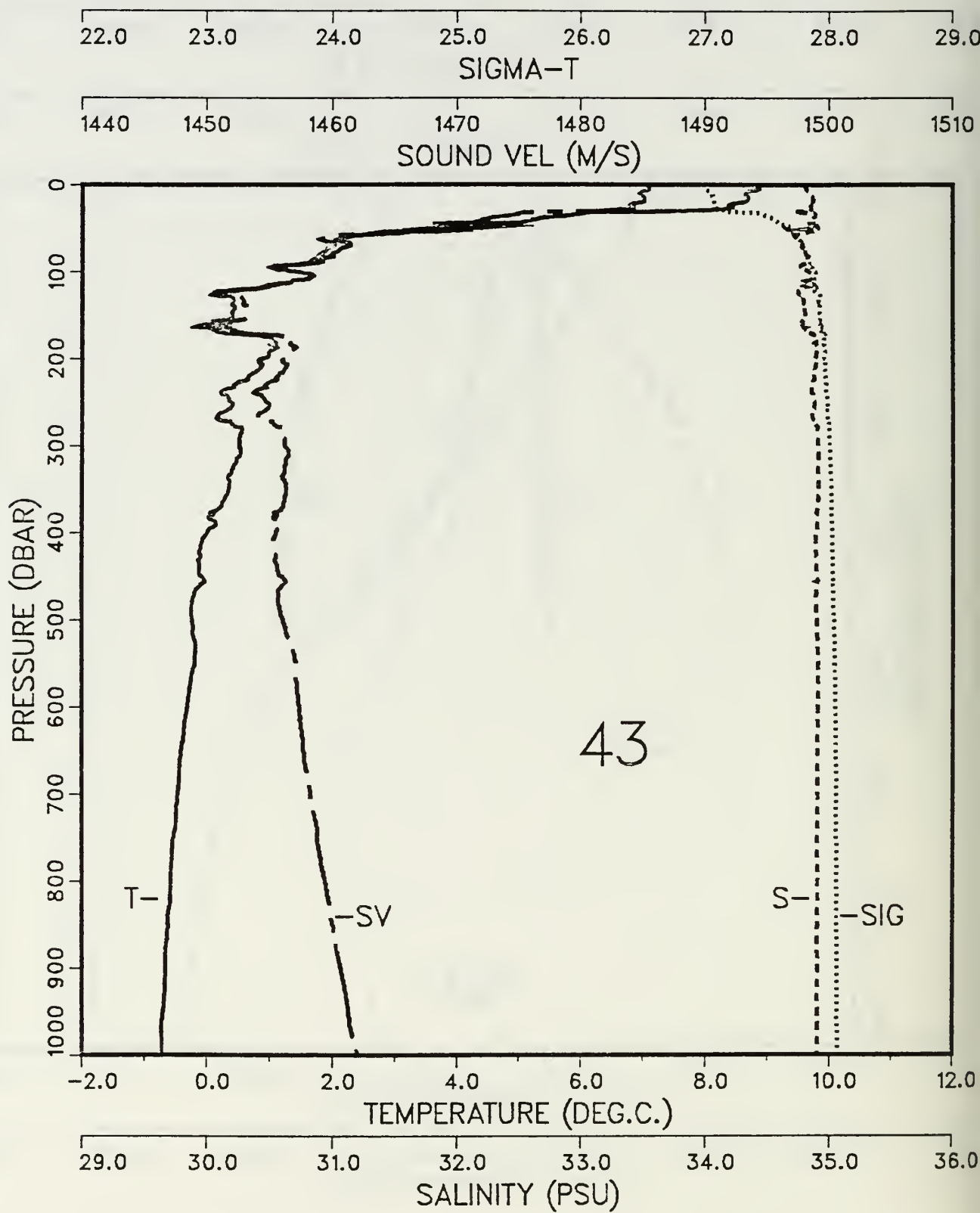


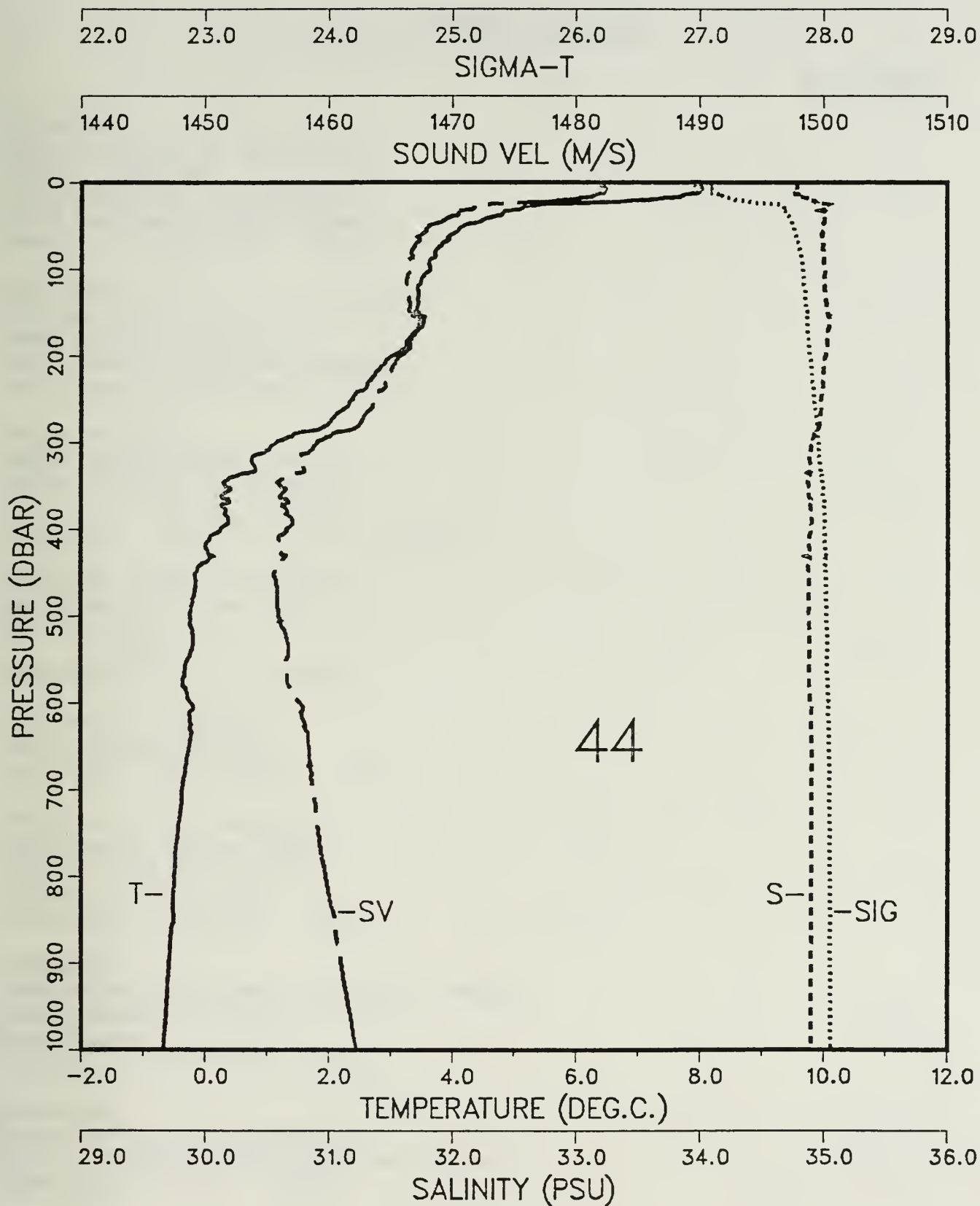














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